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NEED FOR ARS-USDA POPULAR PUBLICATIONS BY STATE EXTENSION SERVICES

Results of surveys made by the Agricultural Research Service, in cooperation with Federal and State Extension Service subject-matter specialists, to determine extension need for USDA Farmers' Bulletins, Leaflets, and Home and Garden Bulletins of ARS.

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Prepared in
Information Division
Agricultural Research Service

In cooperation with the
Federal-State
Cooperative Extension Service

NEED FOR ARS-USDA POPULAR PUBLICATIONS BY STATE EXTENSION SERVICES¹

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INTRODUCTION

The following summaries indicate the degree of need as seen by State extension subject-matter specialists for USDA popular publications produced by the Agricultural Research Service. The data upon which the summaries are based were developed from surveys conducted by the Publications Branch of the ARS Information Division, in cooperation with Federal and State extension specialists.

A basic list of USDA popular publications should be expected to carry a large percentage of titles rated high by State extension specialists in a majority of States in which the subject matter has pertinence.

Reason for Surveys: The surveys were made to determine extension need for ARS-USDA popular publications.

The Agricultural Research Service supplies the Federal-State Cooperative Extension Service with about a million copies of popular publications each year. The Department's Office of Information reprints them for extension purposes in additional millions.

Data from surveys such as these therefore are desirable.

Extension need for ARS-USDA popular publications, public need for such publications, publication needs brought to light by research, or need for publications in ARS, or USDA, for administrative or educational purposes, are nuclei for ARS-USDA popular publications planning and programming.

Procedure: The data summarized were secured by furnishing lists of ARS-USDA popular publication titles to Federal extension specialists, who forwarded them to their State and Territorial counterparts concerned with the subject matter. Each State specialist was asked to supply:

- (1) A rating of high, medium, or low, or "no need," for each title on his appropriate list, the rating to be based upon his opinion as to extension need for the publication in his State.
- (2) Questions asked by the public in his State that should be but are not answered in the particular publications listed on the survey form.
- (3) Suggestions for titles covering new subject matter that ARS should consider issuing in popular publication form.

Returned survey forms were analyzed in this way: Indications of high need were assigned a value of 10, medium need a value of 5, low need a value of 1, and "no need" a value of 0. These values were added and the total divided by the number of State specialists expressing any or no need for the publication. A rating or evaluation thus was obtained ranging from 0 to 10.

State extension specialists suggested hundreds of titles for new popular publications which they think ARS should consider issuing. All suggested titles were consolidated and arranged in lists which were returned to the State extension specialists for rating. These rated titles are included in the summaries.

¹ This report summarizes a part of larger studies by ARS in relation to (1) need, (2) distribution, (3) presentation, and (4) acceptance of its USDA popular publications.

Use of Summaries: These summaries are intended to be used as guides for determining whether or not a publication should be produced, continued, or dropped—in this way: Publications rated at less than 5.0 by specialists in fewer than 50 percent of the States in which the subject matter is pertinent, and disappearing from stock at a rate less than 5,000 copies on a full-year basis, should be considered suspect from the standpoint of need. Low-rated, slow-moving publications needed in fewer than 50 percent of the States in which the subject matter is pertinent will be reviewed by the ARS Publications Needs Committee. In the review, it will be decided, contingent on agency and/or Department need, whether such publications should be continued in the popular series, prepared for issuance in another series, or dropped.

The summaries also contain a column headed "Average Annual Movement From USDA Stocks." Figures in this column show the average number of copies for the titles listed requested annually from the Department during the previous 5 years or the last 5 years the publication was available. If the publication was issued within the past 5 years, the distribution-rate experience available is listed. These figures of annual movement out of USDA stock must be considered in relation to the size of the audience to which the publication is directed.

Caution in Use of Summaries: The extension data contained in this report do not necessarily reveal need on the part of the public for information. They help determine extension need in the States for the publications named in lists sent to State specialists. Other methods are being developed² to indicate public need for information in the fields of agriculture and home economics.

✓ ²"Determining Need for Popular Publications on Agriculture and Home Economics. Report of a Study of Six Methods." Unnumbered ARS report, 1960.

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AGRICULTURAL ENGINEERING¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1978	Safe Water for the Farm (= FB 1448).....	88	7.8	16,193
FB	1889	*Fireplaces and Chimneys (= FB 1649).....	86	7.4	33,373
FB	1858	Electric Motors for the Farm.....	86	7.2	10,840
FB	1820	Silos--Types and Construction (= FB 825, 855).....	82	7.2	11,165
FB	1751	Roof Coverings for Farm Buildings and Their Repair.....	86	6.9	9,753
FB	1950	Sewage and Garbage Disposal on the Farm (= FB 1227).....	91	6.8	26,982
FB	1869	*Foundations for Farm Buildings.....	88	6.4	13,095
FB	1729	Machinery for Dusting Cotton.....	28	6.4	2,170
FB	1838	*Electric Light for the Farmstead.....	82	6.3	15,189
FB	1832	*Farm Fences.....	91	6.2	14,667
FB	1976	*Handling and Storing of Soft Corn on the Farm.....	48	6.2	11,600
FB	1426	Farm Plumbing.....	95	6.1	28,900
FB	1772	Use of Concrete on the Farm.....	93	6.1	14,694
FB	1859	Stock Water Developments: Wells, Springs, and Ponds.....	88	6.1	9,590
FB	2071	*You Can Store Grain Safely on the Farm....	68	6.0	32,993
FB	1761	*Harvesting with Combines (= FB 1608).....	88	5.9	6,663
FB	1748	*Ginning Cotton (= FB 1465).....	22	5.9	6,777
FB	1818	Mechanical Milk Cooling on the Farm.....	88	5.8	3,805
FB	1816	Mechanizing the Corn Harvest.....	55	5.8	2,660
FB	1687	Safe Use and Storage of Gasoline and Kerosene on the Farm.....	82	5.7	4,866
FB	1865	Closets and Storage Spaces.....	77	5.7	48,733
FB	1132	Planning the Farmstead.....	88	5.5	8,496
FB	1572	*Making Cellars Dry.....	75	5.4	23,569
FB	1512	Protecting of Buildings and Farm Property from Lightning.....	93	5.3	6,789
FB	1690	Plowing with Moldboard Plows.....	82	5.1	6,679
FB	1986	Potato Storage.....	55	5.0	4,334
FB	1460	Simple Plumbing Repairs in the Home.....	91	4.9	23,378
FB	1660	Use of Logs and Poles in Farm Con- struction.....	77	4.7	9,470
FB	2028	*Drying Forage by Forced Ventilation.....	57	4.7	3,000
FB	2076	Storage of Ear Corn on the Farm in the North Central States (= FB 2010).....	37	4.5	7,500
FB	2070	*Fire-Resistant Construction on the Farm (= FB 1590).....	88	4.3	6,803
FB	1526	Clearing Land of Brush and Stumps.....	75	4.1	7,828
FB	2128	Hose Pump for Applying Nitrogen Solutions (= FB 2096).....	77	4.0	8,000
FB	1442	*Storage of Sweet Potatoes.....	31	4.0	7,700

¹ Ratings furnished by extension specialists in agricultural engineering in the following 44 States and 1 Commonwealth: Ala., Alaska, Ariz., Ark., Calif., Colo., Conn., Del., Ga., Idaho, Ill., Ind., Iowa, Kans., Ky., La., Maine, Mass., Md., Mich., Minn., Mo., Mont., N. Dak., Nebr., N.H., N. Mex., N.Y., Ohio, Okla., Oreg., Pa., P.R., R.I., S.C., S. Dak., Tenn., Tex., Utah, Va., Vt., Wash., Wis., W. Va., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1992	Disk Plows and Their Operation.....	75	3.7	3,472
FB	1045	*Laying Out Fields for Tractor Plowing.....	79	3.2	10,170
FB	1931	Care and Use of Rope on the Farm.....	77	2.4	5,680
FB	1728	Flax Fiber Production.....	6	2.3	1,186
FB	1720	*Adobe or Sun-Dried Brick for Farm Buildings	22	2.2	560
FB	2130	*Rope on the Farm (= FB 1931).....	35	1.7	5,680
FB	1500	Rammed Earth Walls for Buildings.....	24	1.6	4,860
FB	1801	Making Lime on the Farm.....	15	1.2	2,400

LEAFLETS

L	331	*Drying Shelled Corn and Small Grain with Heated Air.....	70	7.6	6,327
L	334	*Drying Ear Corn with Unheated Air.....	62	7.3	7,981
L	332	*Drying Shelled Corn and Small Grain with Unheated Air.....	73	7.1	7,656
L	333	*Drying Ear Corn with Heated Air.....	64	7.1	4,201
L	395	Automatic Livestock Waterers.....	82	6.0	16,500
L	216	Cotton-Gin Maintenance.....	22	6.0	522
L	418	Beltsville Energy-Saving Kitchen.....	77	5.8	60,000
L	181	Drying Seed Cotton.....	15	5.6	877
L	381	*Infrared Lamps--Their Use in Brooding Pigs.	66	5.2	9,124
L	397	*Brooding Chicks with Infrared Lamps.....	79	5.0	18,338
L	314	Inclined-Column Grain Drier.....	62	4.8	1,110
L	356	*Expansible Farmhouse--Frame.....	66	4.7	9,631
L	357	*Expansible Farmhouse--Masonry.....	64	4.6	10,348
L	311	Farmhouses for the North.....	57	4.6	9,625
L	320	Two-Temperature Walk-In Refrigerator For the Farm.....	82	4.5	12,012
L	169	*Preventing Gin Damage to Cotton.....	9	4.4	840
L	377	*Lights for More Winter Eggs.....	73	4.3	11,232
L	376	Split-Level Expansible Farmhouse.....	66	4.2	12,500
L	301	Expansible Farmhouses.....	70	4.1	16,193
L	211	Cotton from Boll to Bale.....	15	4.0	2,430
L	287	Farmhouse Plans for Minimum Budgets.....	73	3.6	12,588
L	285	Four Farmhouses for the South.....	39	3.6	6,423
L	151	Effects of Feeds and Saw Speeds on Cotton Turnout and Quality.....	15	3.5	500
L	217	Cotton Ginning for Pure-Seed Preservation..	15	3.2	2,310
L	303	*Southern Farmhouses.....	43	2.9	5,469
L	107	The Barrel Seed Scarifier.....	37	2.5	2,737

HOME AND GARDEN BULLETINS

HG	12	*Your Farmhouse--Planning the Kitchen and Workroom.....	75	7.1	30,938
HG	19	*Your Farmhouse--Planning the Bathroom.....	77	6.5	26,098
HG	14	*A Step-Saving U-Kitchen.....	77	6.3	7,905
HG	18	*Easy-to-Build Kitchen Cabinets for the Remodeled Farmhouse.....	77	6.1	40,947
HG	42	Your Farmhouse--How to Plan Remodeling.....	73	6.1	15,000
HG	22	Your Farmhouse--Cut-outs to Help in Planning.....	68	5.1	14,000

*Title is on the Annual Inventory, or the Congressional List, or both.

Subjects suggested by State Extension Specialists in Agricultural Engineering for ARS to consider producing as new USDA Popular Publications¹

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Automatic Livestock-Feeding Equipment.....	89	8.7
Mechanical Feeding Systems for Dairy Farms.....	84	8.7
Mechanically Processing and Handling Livestock Feed.....	78	8.5
Minimum Standards for Loose Housing for Dairy Cattle in the Northeast.....	50	8.5
Feed-Handling Equipment for Livestock.....	81	8.2
Planning Auger Conveyors to Save Labor.....	89	8.0
Labor-Saving Equipment for Poultry Farms.....	89	7.8
Planning Belt Conveyors to Save Labor.....	84	7.8
Ventilating Livestock Buildings.....	89	7.7
Hay Pellets.....	89	7.6
Milking Parlors: Types, Construction.....	78	7.6
Mechanical Bunk Feeders.....	89	7.5
Heating Homes (layouts, distribution, radiant heat).....	86	7.5
Elevators and Conveyors.....	84	7.5
Pole Building Designs and Construction.....	89	7.4
How to Build and Install Pneumatic Grain Conveyors.....	89	7.4
Mixing, Storage, and Bulk Handling of Poultry Feeds with Stationary and Portable Equipment.....	86	7.4
How to Condition Water.....	89	7.3
Poultry House Ventilation.....	84	7.3
Overload Protection for Electrical Motors.....	89	7.1
Water Conditioning Equipment.....	86	7.1
Automatic Grinding and Mixing Feeds.....	81	7.0
Paints and Painting.....	89	6.9
Bunk Silo Conveyor Systems.....	89	6.8
Heating and Cooling Homes.....	89	6.7
Adequate Electric Wiring.....	81	6.7
Hay Conditioners (crushers, etc.).....	81	6.7
Insulation for the Home.....	76	6.7
How to Overcome Household Water Problems.....	73	6.7
Self-Unloading Wagons.....	72	6.7
How to Check Your Electrical Wiring Systems.....	84	6.6
Silo Unloaders.....	84	6.6
Insulating Livestock Buildings.....	75	6.6
Houses and Equipment for Broiler Production.....	72	6.6
Labor-Saving Irrigation Devices.....	68	6.6
Safe Electrical Grounding Systems on the Farm.....	89	6.5
Egg-Handling and Cooling Rooms.....	72	6.5
Modern Exterior Paints for Farmstead Use.....	84	6.4
Aeration of Grain in Farm Storage.....	81	6.4
How to Select Farm Equipment.....	81	6.4
Plastic Pipe for Water Supply Lines.....	89	6.3
Pressure-Treated Wood in Farm Construction (treatment, specifications, etc.).....	84	6.3
Hard Surfacing Feedlots and Barnyards.....	81	6.3
Finishes for Floors.....	78.	6.3
Buying Interior Paints.....	75	6.3
Electric Ventilating Systems.....	72	6.3

¹ Ratings furnished by extension agricultural engineers in the 37 States Ala., Alaska, Ariz., Ark., Calif., Colo., Fla., Ga., Hawaii, Idaho, Ill., Iowa, Kans., Ky., La., Maine, Md., Minn., Miss., Mo., Mont., N. Dak., Nebr., N.Y., N.J., Ohio, Okla., Oreg., Pa., R.I., S. Dak., Tenn., Tex., Utah, Wis., W. Va., Wyo.

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Poultry Houses and Equipment.....	84	6.2
Handling, Drying, and Storing Chopped Hay.....	81	6.2
Over All Guide for Considering House Planning.....	68	6.2
Air Conditioning for the Home.....	78	6.1
Mechanized Haymaking.....	86	6.0
Water Systems for the Home.....	78	6.0
Drying Hay With and Without Heat.....	78	6.0
Farm Sprayers and Dusters for Insects, Weeds, Plant Diseases and Fertilizers.....	75	6.0
Selection, Use, and Care of Home Air Conditioners.....	72	6.0
Poultry Housing (by regions).....	72	6.0
Heating Swine Farrowing Houses.....	75	5.9
Planned Electric Wiring for the Farmstead.....	86	5.8
Floor Heating by Electricity for Swine.....	78	5.8
Operation and Maintenance of Hydraulic Control Systems.....	78	5.7
Equipment for Safe Field and Road Tractor Operation 15.....	78	5.7
How to Operate Tractors with Equipment Efficiently and Safely.....	75	5.7
Small Air Conditioning Units.....	84	5.6
House Heating with Electricity.....	84	5.6
Farm Equipment Maintenance and Care.....	69	5.6
Attic Fans for Cooling Houses.....	84	5.5
Types and Operation of Feed Grinders.....	81	5.4
Dairy Housing.....	72	5.4
Wood Construction (methods of fastening).....	89	5.3
Selection of Sprinkler Irrigation Equipment.....	84	5.3
Fumigation of Grain in Farm Storage.....	81	5.3
Operating Low-Gallonage Tractor Sprayers.....	75	5.3
Simple Electrical Repairs for the Home.....	89	5.2
Electrical Needs for Today's Home.....	84	5.2
Use of Glue in Farm Construction.....	78	5.2
Drying Grass and Legume Seeds.....	75	5.2
How to Operate Corn Pickers Efficiently and Safely.....	59	5.2
How to Avoid Electrical Shock.....	84	5.1
Drying Baled Hay.....	78	5.1
Harvesting Grass and Legume Seed.....	66	5.1
Costs of Gravity Irrigation.....	65	5.1
Grain Handling Equipment (performance data and design).....	57	5.1
Spray Painting.....	89	5.0
Which Fuel: LP, Diesel, or Gasoline?.....	84	5.0
How to Apply Fertilizers in Irrigation Water.....	81	5.0
Automatic Drinking Fountains and Water Warmers for Poultry.....	81	5.0
Pump Efficiency.....	81	5.0
Influence of Year-Round Environmental Control on Milk Production: Structures, Costs, Maintenance.....	81	5.0
Wiring of Simple Electrical Extensions.....	84	4.9
How to Chose a Bulk Milk Tank.....	84	4.9
Prefabricated Farm Buildings: Use, Construction, Importance.....	81	4.9
Houses for Laying Hens in Cages.....	69	4.9
Home Wiring.....	89	4.8
Home Lighting Plans.....	86	4.8
Exterior Wall Materials.....	81	4.8
Barn Cleaners.....	72	4.8
Electrical Space Heating.....	84	4.7
Soil-Moisture Meters.....	81	4.7
How to Select a Home.....	75	4.7
Potato-Handling Equipment.....	52	4.7
Selection and Care of Water Heaters.....	81	4.6

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Low-Cost Water Control Equipment.....	72	4.6
Irrigation Control Structures.....	66	4.6
Simple Repairs of Home and Housing Equipment.....	81	4.5
Farm Welding Equipment and Procedures.....	81	4.5
Cages for Laying Hens.....	69	4.5
Design for Outdoor Living.....	66	4.5
Forage Blowers: Operation and Adjustments.....	66	4.5
Which Forage Harvester: Plain or Square Cut?.....	52	4.5
Drying Hay, Grain, Peanuts, etc. on Wagons.....	84	4.4
Maintenance of Automatic Balers.....	72	4.4
Use, Care, and Safe Storage of Chemicals on the Farm.....	69	4.4
Drainage of Irrigated Lands.....	63	4.4
Fruit-Handling Equipment.....	39	4.4
Tractor Stability.....	84	4.3
Training Tractor Operators.....	72	4.3
Electric Chick Brooders.....	78	4.2
Floor Heating by Electricity for Poultry.....	69	4.2
Maintenance of Portable Irrigation Equipment.....	81	4.1
Safe Floors and Floor Coverings.....	66	4.1
Plans for Milking Barns and Corrals for Milder Climates.....	47	4.1
Home Repairs.....	84	4.0
Selection and Use of Electric Grinders.....	81	4.0
Kitchen Ventilation.....	78	4.0
Trailers and Wagons for Farm Use.....	69	4.0
Farm Refrigeration.....	66	4.0
Grain Drills: Adjustments.....	72	3.8
Insulation and Vapor Barriers for Refrigerated Storages.....	66	3.8
Replacing Internal Combustion Engines with Electrical Motors.....	63	3.8
Electric Lights for Plant Growth.....	63	3.6
Small-Gas-Engine Maintenance.....	63	3.6
Controlled Atmosphere Apple Storages.....	42	3.5
Heating Soil With Electricity.....	36	3.5
A Chemical Supply Center on the Farm.....	94	3.5
Water Measurement Equipment.....	75	3.4
Cistern Construction.....	66	3.4
Certified Electric Lamps.....	63	3.4
Electrical Hot Water Heating.....	75	3.3
How to Stack Baled Hay and Straw.....	61	3.3
Disk and Moldboard Plow Adjustments.....	66	3.1
Parshall Flumes: Large and Small.....	47	3.1
Refrigerated Apple Storages.....	36	3.0
Safe and Comfortable Stairs.....	66	2.9
Farm Bridge Construction.....	47	2.8

ANIMAL DISEASES AND PARASITES¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1991	Use of Disinfectants on the Farm.....	86	9.6	11,000
FB	1422	*Udder Diseases of Dairy Cows.....	80	9.2	15,000
FB	1018	Shipping Fever of Cattle--Hemorrhagic Septicemia.....	80	8.8	7,000
FB	1652	Diseases and Parasites of Poultry (= FB 1337).....	73	8.6	35,000
FB	909	Cattle Lice.....	80	8.4	8,000
FB	1330	Parasites and Parasitic Diseases of Sheep.....	80	8.3	10,000
FB	1914	*Diseases of Swine (= FB 1244).....	73	7.8	15,000
FB	1943	*Diseases of Sheep and Goats.....	80	7.4	12,000
FB	1787	Internal Parasites of Swine.....	80	7.2	8,000
FB	1085	Hog Lice and Hog Mange.....	80	6.1	7,000
FB	1017	*Cattle Scab.....	66	5.7	5,000
FB	834	Hog Cholera.....	80	5.5	7,500
FB	2057	Sheep Tick and Its Eradication (= FB 798)	80	5.2	7,000
FB	2106	*16 Plants Poisonous to Livestock in Western States.....	60	4.8	16,000
FB	713	*Sheep Scab.....	80	4.1	5,500
FB	1736	Anthrax (= FB 784).....	73	3.7	3,000
FB	666	Foot and Mouth Diseases of Cattle.....	46	2.8	4,300
FB	2088	*Infectious Anemia of Horses, etc. (= FB 1819).....	66	2.6	4,500
FB	1069	Tuberculosis in Cattle.....	80	2.4	6,000
FB	980	Spinose Ear Tick.....	80	2.2	2,000
FB	2050	Diseases and Parasites of Mink.....	46	2.1	3,000

LEAFLETS

L	402	*Intestinal Coccidiosis of Chickens.....	73	7.0	20,000
L	5	Prevention of Roundworms in Pigs.....	80	6.9	7,000
L	393	*Cecal Coccidiosis of Chickens.....	73	6.5	27,000
L	420	*Blackleg of Cattle (= FB 1355).....	80	6.0	4,000
L	415	*Tapeworms of Poultry.....	73	6.0	8,000
L	228	Nodular Worm Disease of Sheep.....	80	5.6	6,000
L	118	Controlling Lungworms in Swine.....	73	5.6	5,000
L	441	Cattle Warts (= L 75).....	86	5.2	6,000
L	369	*Wipe Out Brucellosis (= PA 82).....	66	3.6	35,000
L	428	*Trichinosis (= L 34).....	66	3.2	11,000
L	207	Controlling Gapeworms in Poultry.....	66	2.7	4,000
L	38	Maintaining Health of Animals in Transit..	80	2.6	3,500
L	355	*Hyperkeratosis of Cattle.....	73	1.1	5,000
L	108	Kidney Worms in Swine.....	40	1.0	3,000

¹ Ratings furnished by extension specialists in veterinary medicine in the 15 States Calif., Colo., Ind., Iowa, Kans., Mich., Minn., Nebr., N.H., Pa., Tex., Utah, Va., Vt., and Wis. There are specialists in veterinary medicine in 20 States.

*Title is on the Annual Inventory, or the Congressional List, or both.

Title	Percent States Indicating Need	State Extension Specialists Rating
Fundamentals of Animal Disease Control.....	86	8.8
Internal Parasites of Cattle.....	80	8.8
Calf Scours.....	80	8.7
Chronic Respiratory Diseases of Poultry.....	73	8.2
Lymphomatosis in Chickens.....	73	7.8
Mucosal Diseases of Cattle.....	73	7.4
Coccidiosis in Sheep.....	80	6.3
Coccidiosis in Cattle.....	80	6.0
Trichomoniasis of Cattle.....	80	5.7
Vesicular Stomatitis of Cattle.....	73	5.3
Salmonellosis of Chickens.....	73	5.2
Anaplasmosis in Cattle.....	66	4.9
Internal Parasites of Horses.....	73	4.4
Newcastle Disease of Poultry.....	73	4.4
Bluetongue of Sheep.....	66	4.4
Leucocytozoan Diseases of Poultry.....	66	3.6
Scrapie of Sheep.....	66	3.6
Vesicular Exanthema in Hogs.....	66	3.6
Demodectic Mange of Cattle.....	60	3.3
Sarcosporidiosis of Sheep.....	46	2.2

**Subjects suggested by State Extension Specialists in Veterinary Medicine for ARS to consider
producing as new USDA Popular Publications¹**

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Virus Pneumonia in Swine.....	87	8.5
Diseases of Sheep.....	93	8.0
Foot Rot of Cattle.....	87	8.0
Leptospirosis.....	87	8.0
Breeding Problems in Livestock.....	81	8.0
Antibiotics in Milk.....	100	7.8
Bloat.....	81	7.7
Current USDA Recommendations for Control of Livestock Parasites.....	100	7.3
Mastitis in Dairy Cattle.....	100	7.3
Poultry Vaccines and Vaccination.....	93	7.0
Control of Respiratory Diseases in Poultry.....	100	6.7
Relationship of Management to Vaccination Results.....	100	6.6
T, G, E, and Gut Edema.....	93	6.6
Ketosis in Dairy Cattle.....	93	6.3
Safe Use of Agricultural Chemicals.....	87	6.2
Diseases of Ponies.....	62	5.8
Control of Common Turkey Diseases.....	100	5.7
Rabies.....	87	5.7
Diseases of Animals Transmitted to Man.....	100	5.6

¹ Ratings furnished by extension specialists in Veterinary Medicine in the 15 States Calif., Colo., Ill., Iowa, Kans., Mass., Mich., Minn., Nebr., N.H., Pa., Tex., Utah, Va., and Vt.

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Use of Disinfectants on the Farm.....	93	5.6
How to Reduce Livestock Shipping Losses.....	93	5.4
Control of Common Diseases of Broilers.....	93	5.3
Proper Use of Vaccines in Poultry.....	93	5.3
Swine Erysipelas.....	87	5.3
Atrophic Rhinitis in Swine.....	93	5.0
Blue-Comb Disease.....	100	4.8
Proper Disposal of Animals on the Farm.....	93	4.8
Infectious Rhinotracheitis.....	87	4.8
Worming Programs for Poultry.....	100	4.7
Milk Fever in Cattle.....	81	4.7
Equine Encephalitis.....	68	4.5
Photosensitization in Cattle.....	87	4.3
Ornithosis and Psitticosis.....	93	3.8
Cow Pox.....	68	3.7
Q-Fever.....	68	1.9

ANIMAL, POULTRY, AND DAIRY HUSBANDRY

A. Animal Husbandry¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1490	Hog-Lot Equipment.....	80	8.0	7,395
FB	2058	*Sheep Raising on the Farm (= FB 840).....	80	7.8	2,598
FB	2127	*Light Horses.....	74	7.6	24,900
FB	2126	*Farm Beef Herd (= FB 1592).....	74	7.5	22,000
FB	1584	Feed-Lot and Ranch Equipment for Beef Cattle.....	64	7.5	6,509
FB	1437	Swine Production.....	77	7.4	12,655
FB	810	Equipment for Farm Sheep Raising.....	67	6.8	15,000
FB	1135	The Beef Calf.....	77	6.7	8,290
FB	1263	*Breeds of Swine.....	77	6.5	21,464
FB	1199	Judging Sheep.....	77	6.5	9,641
FB	1549	*Feeding Cattle for Beef (= FB 1379, 1382)..	80	6.4	22,824
FB	1368	Breaking and Training Colts (= FB 667)....	80	6.4	6,205
FB	1600	Dehorning, Castrating, Branding, and Marking Beef Cattle.....	83	6.3	8,532
FB	1068	*Judging Beef Cattle.....	83	6.3	7,924
FB	1134	Castrating and Docking Lambs.....	80	6.2	5,355
FB	1916	Beef Cattle for Breeding Purposes.....	77	6.1	12,829
FB	2052	*Better Feeding of Livestock (= MC 12).....	70	6.0	12,218
FB	1415	Beef on the Farm.....	74	5.8	7,835
FB	1357	*Castrating of Hogs.....	70	5.6	9,962
FB	576	Breeds of Sheep for the Farm.....	74	5.5	5,735
FB	1753	Livestock for Small Farms.....	64	5.4	15,660
FB	1730	Rabbit Production.....	29	5.3	28,837
FB	1030	Feeding Horses.....	80	5.2	8,620
FB	779	How to Select a Sound Horse.....	83	5.1	4,160
FB	1721	Determining Age of Farm Animals by Their Teeth (= FB 1066).....	83	5.0	7,194
FB	1268	Sheep-Killing Dogs.....	80	5.0	1,888
FB	1779	Beef Cattle Breeds for Beef and for Beef and Milk (= FB 612).....	64	5.0	15,000
FB	1710	Range Sheep Production.....	61	5.0	2,132
FB	1807	Lamb and Mutton on the Farm.....	77	4.9	4,332
FB	1179	Feeding Cottonseed Products to Livestock..	70	4.5	6,433
FB	920	Milk Goats.....	9	4.1	11,267
FB	1186	Pork on the Farm.....	77	4.0	8,011
FB	1535	*Farm Horseshoeing.....	51	3.0	3,500
FB	1753	Livestock for Small Farms.....	61	2.6	15,660
FB	1203	The Angora Goat.....	80	2.0	1,775
FB	619	Breeds of Draft Horses.....	70	1.4	5,982
FB	1419	Care and Management of Farm Work Horses....	70	1.4	3,134
FB	1632	Karakul Sheep.....	61	1.0	990
FB	1341	Mule Production.....	51	1.0	1,430

¹ Ratings furnished by extension specialists in animal husbandry in the 31 States Ala., Ariz., Ark., Calif., Conn., Hawaii, Idaho, Ill., Kans., Mass., Md., Miss., Mo., Mont., N.C., Nev., N. Mex., N.Y., Ohio, Okla., Pa., R.I., S.C., S. Dak., Utah., Va., Vt., Wash., Wis., W. Va., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

LEAFLETS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
L	429	*The Meat-Type Hog.....	80	7.3	11,800
L	273	*Curing Pork Country Style.....	61	4.6	18,975
L	352	*Feeding Molasses to Livestock.....	74	4.4	15,500
L	378	*A Rounded-Corner Hutch for Rabbits.....	20	3.1	9,000
L	245	Palpating Domestic Rabbits to Determine Pregnancy.....	16	2.0	6,440
L	267	Fur Farming Possibilities.....	16	2.0	5,960
L	266	*Chinchilla Raising.....	12	1.0	10,923
L	250	Hamster Raising.....	12	1.0	6,245
L	252	The Guinea Pig.....	12	1.0	3,930
L	253	*Raising Laboratory Mice and Rats.....	12	1.0	2,400

HOME AND GARDEN BULLETINS

HG	15	Freezing Meat and Poultry Products for Home Use.....	35	5.3	91,507
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IN PROCESS

Title	Percent States Indicating Need	State Extension Specialists Rating
Artificial Breeding on the Farm.....	70	7.6
Boning Farm Meat.....	48	4.7

*Title is on the Annual Inventory, or the Congressional List, or both.

Subjects suggested by State Extension Specialists in Animal Husbandry for ARS to consider producing as new USDA Popular Publications

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Production-Testing Beef Cattle.....	67	8.6
Production-Testing Sheep.....	64	8.3
Grading Beef Cattle.....	70	8.1
Feeding Hogs on Concrete Floors.....	61	7.8
Feed Additives.....	70	7.6
Production-Testing Swine.....	61	7.5
Production of Feeder Pigs.....	61	7.2
How to Judge Slaughter Cattle, Hogs; and Sheep.....	70	6.9
Breeding Principles of Beef Cattle.....	70	6.7
Home Grown Rations for Livestock Feeding.....	70	6.7
Breeding Principles in Sheep.....	64	6.7
Antibiotics in Livestock Production.....	70	6.6
Production of Spring Lambs.....	67	6.6

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Grading Beef-Wholesale and Retail Cuts.....	64	6.6
Feeding Livestock for Production.....	67	6.2
Production of Quality Wool.....	61	6.2
Training Saddle Horses.....	61	6.0
Horsemanship.....	58	5.7
Breeding and Management of Ponies.....	64	5.1
Feeding Soybean Meal and Linseed Oil to Livestock.....	61	4.5
Wool: Grades, Uses, Home Scouring, Combing, and Spinning.....	51	2.7
Dressing, Handling, and Storing Wild Game.....	48	2.6
Packing In With Horses and Mules.....	38	1.3

ANIMAL, POULTRY, AND DAIRY HUSBANDRY

B. Poultry Husbandry¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1841	Feeding Chickens.....	88	7.4	36,950
FB	1409	Turkey Raising.....	92	5.9	14,426
FB	1727	*Selecting Hens for Egg Production.....	80	5.7	16,502
FB	1538	Incubating and Brooding of Chickens (FB 1363, 1376).....	88	5.2	15,220
FB	767	Goose Raising.....	92	4.9	10,671
FB	697	Duck Raising.....	92	4.5	10,502
FB	849	*Capon and Caponizing.....	88	4.3	11,683
FB	2065	Breeds of Chickens for Meat and Egg Production (= FB 1506).....	80	4.0	15,889
FB	2131	Rabbit Production (= FB 1730).....	56	4.0	24,800
FB	1524	*Farm Poultry Raising (= FB 287).....	84	3.9	19,857
FB	684	Squab Raising.....	72	3.3	7,995
FB	1614	Business Records for Poultry Keepers (= FB 1427).....	92	2.8	4,500
FB	1508	Poultry Keeping in Backyards (= FB 1331)...	84	2.8	16,807
FB	2066	Ornamental and Game Breeds of Chickens (= FB 1507).....	68	2.8	7,598
FB	1391	*The Guinea Fowl (= FB 858).....	88	2.7	6,466
FB	2065	Breeds of Chicken (= FB 1506).....	84	2.1	13,300

HOME AND GARDEN BULLETINS

HG	15	*Freezing Meat and Poultry for Home Use.....	68	4.8	85,874
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¹ Ratings furnished by extension poultrymen in the following 24 States and 1 Commonwealth: Ala., Ariz., Conn., Fla., Idaho, Ill., Ind., Iowa, Ky., Md., Mich., Mo., N.C., N.H., N.J., N.Y., Okla., P.R., R.I., S.C., Tex., Utah, Va., W. Va., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

Subjects Suggested by State Extension Specialists in Poultry Husbandry for ARS to Consider Producing as New Popular USDA Publications

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Egg Quality Control.....	96	8.5
Commercial Production of Market Eggs.....	100	8.4
Retention of High Quality in Eggs on and Off the Farm.....	96	8.3
Poultry Houses and Equipment.....	88	8.3

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Poultry House Ventilation.....	96	7.8
Poultry Flock Management.....	92	7.6
Planning the Poultry Operation.....	100	7.5
Floor Replacement Systems.....	96	7.4
Factors in Poultry Environment.....	88	7.2
Poultry Management Practices.....	100	7.1
Cages for Laying Hens.....	100	7.1
Mixing, Storage, and Bulk Handling of Poultry Feeds with Portable and Stationary Equipment.....	84	7.0
Poultry Housing by Sections of the Country.....	96	6.6
Commercial Production of Hatching Eggs.....	88	6.5
Commercial Production of Turkeys.....	84	6.5
Commercial Broiler Production.....	92	6.3
Management of Caged Laying Hens.....	100	6.0
Environmental Control for Poultry by Sections of the Country.....	92	6.0
Poultry Feed Additives.....	88	5.7
Houses for Laying Hens in Cages.....	92	5.3
Poultry Record Keeping and Accounting.....	100	5.0
Farm-Mixing Poultry Feeds.....	80	4.4
Restricted Feeding of Pullets.....	92	4.2
Control of Cannibalism in Poultry.....	92	4.1
Artificial Insemination in Poultry.....	68	3.0

ANIMAL, POULTRY, AND DAIRY HUSBANDRY

C. Dairy Husbandry¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1470	Care and Management of Dairy Cows.....	100	8.0	30,829
FB	1723	Feeding, Care and Management of Young Dairy Stock (= FB 1336, L 14, L 20).....	100	7.9	13,610
FB	2132	Improving Your Dairy Herd (= FB 1604, 1974)	95	7.9	15,457
FB	1626	Feeding Dairy Cows.....	95	7.3	4,463
FB	1443	Dairy Cattle Breeds.....	100	6.0	20,480
FB	2017	*Clean Milk Production (= FB 602).....	95	6.0	6,388
FB	1769	Judging Dairy Cattle (= MC 99)	86	6.0	14,110
FB	2079	*Farm Methods of Cooling Milk (= FB 976)....	100	5.9	8,750
FB	2078	*Cleaning and Sanitizing Farm Milk Utensils (= FB 1675).....	82	5.6	9,610
FB	1998	*Selecting Dairy Cattle (= MP 409).....	100	5.5	8,951
FB	1412	*Care and Management of Dairy Bulls.....	100	3.0	5,520
FB	920	Milk Goats.....	95	3.0	11,267
FB	1179	*Feeding Cottonseed Products to Livestock...	39	2.6	8,065
FB	1721	Determining Age of Farm Animals by Their Teeth.....	60	2.5	7,200
FB	1779	*Beef Cattle Breeds for Beef and for Beef and Milk.....	30	2.4	18,859
FB	1753	Livestock for Small Farms.....	30	2.1	17,660

LEAFLETS

L	433	*Selecting an Economical Dairy Ration.....	86	8.5	50,174
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IN PROCESS

Title	Percent States Indicating Need	State Extension Specialists Rating
Raising Dairy Heifers.....	91	8.8
Artificial Breeding on the Farm.....	73	7.7
Care and Management of Dairy Cows.....	95	7.2

¹ Ratings furnished by extension dairy specialists in the 23 States Ariz., Ark., Colo., Conn., Ga., Hawaii, Idaho, Ill., Iowa, Ky., Md., Minn., Mo., N.C., Nebr., N.H., N. Mex., Okla., Oreg., Tex., Va., Wis., and W. Va.

*Title is on the Annual Inventory, or the Congressional List, or both.

Subjects suggested by State Extension Specialists in Dairy Husbandry for ARS to consider
producing as new USDA Popular Publications

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Harvesting Hay for Better Milk Production.....	86	8.0
Antibiotics in Milk.....	91	7.9
Breeding Difficulties in Dairy Cattle.....	100	7.7
Feeding Cows for Milk Production.....	82	7.2
Milk Production Per Acre.....	91	7.0
Silage for Dairy Cows.....	95	6.4
Planning a Dairy Feeding Program in Relation to Quantity and Quality of Feeds to be Bought and Used.....	91	6.4
Dairy Cattle Parasite Control.....	86	5.6
Unit Approach to Dairy Farming.....	100	5.4
Quality Milk Production.....	91	4.5
Selection of a Dairy Herd Sire.....	78	3.6

CROPS RESEARCH

A. Field Crops¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1722	*Growing Alfalfa (= FB 1283).....	100	8.7	10,000
FB	1126	*Sudan Grass.....	88	7.9	20,651
FB	1731	Alfalfa Varieties in the United States....	85	7.9	6,600
FB	1764	Growing Grain Sorghum.....	88	7.8	3,700
FB	1520	Soybeans: Culture and Varieties.....	76	7.7	5,700
FB	523	*Tobacco Curing.....	47	7.7	3,400
FB	2113	*Annual Lespedezas: Culture and Use (= FB 1852, L 240).....	50	7.6	3,400
FB	1744	Hybrid Corn.....	94	7.4	5,000
FB	2037	Winter Oats for the South (= FB 1947).....	47	7.4	3,100
FB	1844	Culture and Care of Sorghums for Forage...	84	7.2	3,900
FB	1740	*Vetch Culture and Uses (= FB 515).....	50	7.2	5,600
FB	1611	Oats in the Western Half of the United States.....	32	7.2	3,100
FB	571	Tobacco Culture.....	47	7.1	1,300
FB	2060	*Sugar Beet Culture in the North Central States (= FB 1637).....	35	7.0	6,600
FB	2020	Commercial Growing and Harvesting Sweet-potatoes.....	20	6.6	4,500
FB	1537	*Johnson Grass: A Weed.....	67	6.5	5,500
FB	1732	Growing Barley.....	88	6.3	2,500
FB	1161	Dodder.....	79	6.3	1,300
FB	1941	Grow Disease-Resistant Oats.....	76	6.3	2,700
FB	2042	Commercial Production of Sweet Corn.....	47	6.3	3,000
FB	1903	*Sugar Beet Culture in the Intermountain Region.....	14	6.2	4,200
FB	1661	Farm Study of the Cotton Plant.....	41	5.8	1,400
FB	2029	Sugar Beet Culture in the Northern Great Plains States.....	14	5.2	1,100
FB	2006	Wheat Production in the Eastern United States.....	32	4.9	2,485
FB	2100	*Culture of Sorgo for Sirup Production (= FB 1619).....	55	4.7	4,000
FB	1631	Broomcorn Growing and Handling.....	55	4.7	1,700
FB	2042	Commercial Growing of Sweet Corn (= FB 1634).....	47	4.5	3,000
FB	1988	Mint Farming (= FB 1555).....	17	4.5	6,600
FB	1793	Flaxseed Production in the Far Western States.....	14	4.4	2,500
FB	2063	Growing Peanuts (= FB 1656).....	14	4.2	9,400
FB	2041	Castor Bean Production.....	61	4.1	2,800
FB	2119	Sesame Production.....	52	4.1	2,429
FB	2073	Corn Production (= FB 1714).....	50	4.1	10,000
FB	2036	Seed Flax Production in North Central States.....	29	4.1	970

¹ Ratings furnished by extension specialists in field crops in the 34 States Ala., Ark., Calif., Conn., Ga., Idaho., Ill., Ind., Iowa, Kans., Ky., La., Mass., Mi., Mich., Miss., N.C., N. Dak., Nebr., Nev., N.H., N.J., N. Mex., N.Y., Ohio, Okla., Oreg., S.C., S.Dak., Tex., Va., Vt., Wis., and W. Va.

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1151	Alsike Clover.....	79	4.0	3,000
FB	2083	Dry Bean Culture in the Eastern States....	61	4.0	2,132
FB	1162	Proso, or Hog Millet.....	32	4.0	2,100
FB	2001	Producing Cigar Tobacco in Pennsylvania...	8	4.0	940
FB	1679	*Popcorn.....	76	3.9	3,800
FB	2043	Rice Production in the Southern States (= FB 1808).....	8	3.8	1,624
FB	1999	Production of Drug and Condiment Plants (= FB 663).....	47	3.4	6,100
FB	1923	Kudzu as a Farm Crop (= L 91).....	20	3.2	2,822
FB	1902	Varieties of Spring Wheat for the North Central States.....	32	3.1	1,100
FB	2114	*Lupines: Culture and Use (= FB 1946).....	26	3.0	1,500
FB	2095	*Buckwheat Culture (= FB 1835).....	55	2.4	2,800
FB	1184	Ginseng Culture.....	47	2.2	8,800
FB	2115	*Culture and Varieties of Spring-Sown Red Oats (= FB 1583).....	41	2.2	2,600
FB	1741	Bur Clover.....	41	2.1	1,300
FB	1929	*Persian Clover.....	23	1.7	1,000
FB	613	Goldenseal Under Cultivation.....	23	1.5	2,600

LEAFLETS

L	119	White Clover.....	88	5.5	3,700
L	160	Crimson Clover.....	67	5.2	4,000
L	23	*Sweetclover.....	91	4.8	5,900
L	93	Red Clover Seed Production in Inter- Mountain States.....	20	4.2	1,600
L	176	Strawberry Clover.....	35	3.3	1,400
L	313	Russian Wild-Rye.....	29	2.9	2,145
L	410	*Root Crop Production for Livestock (= FB 1699).....	41	2.4	6,500
L	425	Rolled-Towell Seed Tester (= FB 948).....	58	1.5	4,600

IN PROCESS

Title	Percent States Indicating Need	State Extension Specialists Rating
Weed Publications.....	91	9.2
Managing Pastures for Sustained Production.....	88	8.9
Major Forage Grasses.....	94	8.3
Ladino White Clover for the Notheastern States.....	53	7.5
Grass Seed Production.....	82	7.4
Tobacco Plant Bed Management.....	41	7.4
Sugar Beet Culture in PC Area.....	6	7.0
Red Clover Seed Production in the West.....	70	6.9
Red Clover Varieties.....	88	6.8
Sweet Clover Varieties.....	88	6.8
Native Forage Grasses.....	94	6.7
Annual Winter Legumes for the Southeast.....	47	6.5

*Title is on the Annual Inventory, or the Congressional List, or both.

Title	Percent States Indicating Need	State Extension Specialists Rating
Rusts of Small Grains.....	91	6.2
Red Clover Culture.....	85	5.9
Hop Clover.....	53	3.8
Growing Safflower.....	50	3.8
Sub Clover.....	35	2.8
Rose Clover.....	35	2.5

Subjects suggested by State Extension Specialists in Field Crops for ARS to consider producing as new USDA Popular Publications¹

Proposed Title	Percent States Indicating Need
Alfalfa Culture (to cover varieties, seed production, and culture in 1 publication).....	76
Lawn Grasses and Their Areas of Adaptability.....	64
Pasture Publication.....	52
Hill Planted Versus Drilled Corn.....	55
Red Clover Culture (to cover varieties, seed production, and culture in 1 publication).....	47
Farmers Should be Seed Tag Readers.....	35
100 Weeds Common to Northeastern States.....	32
Cold Storage Plants for the Farm.....	39
Grain Sorghum Production in Humid Areas.....	26
Sweetclover (treat in 1 publication--cover insect control, varieties, seed production, etc.).....	26
Sunflower Culture.....	23
Castor Bean Culture.....	23
Peanut Culture.....	17
Persian Clover Culture.....	17
Sanfoine Culture.....	17
Sugar Beet Culture in North Central States, Combined with Sugar Beet Productive Management for High Yields.....	11
Chafas: Their Culture.....	11
Bamboo Culture.....	11
Oat Varieties for North Central States.....	11

¹ Specialists in Field Crops were asked only to indicate need for the subject matter in their State, not to rate such need.

CROPS RESEARCH

B. Horticulture¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1381	Herbaceous Perennials.....	97	7.8	26,000
FB	1567	*Propagation of Trees and Shrubs.....	100	7.5	31,500
FB	1171	*Annual Flowering Plants.....	100	7.4	91,400
FB	1872	*House Plants.....	91	7.2	74,300
FB	2031	*Tung Production.....	13	7.0	2,600
FB	1394	Watermelons.....	100	6.9	11,500
FB	1563	Cucumber Growing.....	100	6.9	31,200
FB	1468	Muskmelons.....	97	6.9	9,300
FB	1953	Lettuce Varieties and Culture (= FB 1609).	100	6.8	5,700
FB	2085	*Sphagnum Moss for Plant Propagation (= L 243).....	75	6.8	16,400
FB	2082	*Commercial Production of Greenhouse Tomatoes (= FB 1431).....	32	6.6	4,800
FB	1743	*Hotbeds and Coldframes.....	100	6.4	35,700
FB	1897	*Establishing and Managing Young Apple Orchards.....	48	6.4	8,100
FB	1967	Reducing Damage to Trees from Construction Work.....	91	6.3	4,900
FB	1896	Care of Damaged Shade Trees (= FB 1726)...	86	6.3	20,000
FB	1977	*Savory Herbs.....	81	6.3	26,600
FB	2086	*Growing Pumpkins and Squash (= L 141).....	70	6.3	11,700
FB	2123	Grapes for Different Regions (= FB 1689, 1936, C 437).....	59	6.3	6,600
FB	2045	Commercial Production of Tomatoes (= FB 1338, 1901).....	59	6.3	5,900
FB	2055	*Ornamental Hedges for the Southern Great Plains (= FB 1898).....	27	6.2	2,600
FB	1870	*Pruning Hardy Fruit Plants (= FB 181).....	81	6.1	28,600
FB	2021	Peach Growing East of the Rocky Mountains (= FB 917).....	37	5.2	4,500
FB	1956	Growing the Transplant Onion Crop.....	91	5.0	2,600
FB	1043	*Strawberry Varieties in the United States.	39	4.7	8,500
FB	1972	Poison Ivy, Poison Oak, Poison Sumac (= FB 1166).....	75	4.6	28,000
FB	1967	Reducing Damage to Trees from Construction Work.....	75	4.3	4,900
FB	1418	Lettuce Growing in Greenhouses.....	81	4.2	2,650
FB	1739	*Pear Growing in the Pacific Coast States..	37	4.1	940
FB	1957	*Cauliflower and Broccoli Varieties and Culture (= L 130).....	32	4.1	9,200
FB	1995	Growing Erect and Trailing Blackberries (= FB 998, 1399, 1403).....	32	4.1	4,000

¹ Ratings furnished by extension specialists in horticulture in the 37 States Ala., Ark., Calif., Colo., Del., Fla., Ga., Hawaii, Idaho, Ill., Ind., Iowa, Ky., Maine, Md., Mich., Minn., Mo., N.C., N.H., N.J., N. Mex., N.Y., Ohio, Okla., Oreg., Pa., R.I., S.C., S. Dak., Tenn., Tex., Utah, Va., Wash., Wis., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1951	*Blueberry Growing (= L 201).....	24	4.1	9,800
FB	1958	Potato Production in the Northeast and North Central States (= FB 1064).....	21	4.1	4,300
FB	2000	Home Vegetable Gardening in the Central and High Plains and Mountain Valleys....	32	4.0	2,400
FB	1369	*Bridge Grafting (= FB 710).....	57	3.8	7,400
FB	2025	*Ornamental Shrubs for the Southern Great Plains.....	27	3.8	4,700
FB	2051	Pepper Production: Disease and Insect Control.....	18	3.8	3,700
FB	2098	Potato Growing in the South (= FB 1904)...	29	3.7	5,700
FB	1898	Hedge Plants for the Northern Great Plains.	43	3.6	2,800
FB	2019	Ornamental Hedges for the Central Great Plains.....	24	3.6	3,000
FB	1026	*Strawberry Culture: South Atlantic and Gulf Coast Regions.....	19	3.6	4,300
FB	2087	*Growing Fruits and Nuts in the Southern Great Plains.....	19	3.6	4,200
FB	1646	*Asparagus Culture (= FB 829).....	51	3.5	12,300
FB	2015	*Ornamental Woody Vines for the Southern Great Plains.....	27	3.5	2,800
FB	2083	*Dry Bean Production in the Eastern States (= L 223).....	24	3.5	2,700
FB	1875	*Mushroom Growing in the United States (= FB 1587).....	19	3.5	19,400
FB	1939	*Home Storage of Fruits and Vegetables (= FB 879).....	37	3.4	26,400
FB	1996	Growing Dry Beans in the Western States (= FB 907, 1509).....	32	2.3	1,400

LEAFLETS

L	407	*Why Fruit Trees Fail to Bear (= L 178)....	91	6.8	30,600
L	124	Sash Greenhouses.....	100	5.2	12,200
L	142	*Production of Turnips and Rutabagas.....	100	4.9	4,600
L	128	Production of Spinach.....	100	4.9	3,550
L	199	*Gardenia Culture.....	86	4.6	23,500
L	90	*Rockeries.....	81	4.5	14,900
L	396	Protecting Trees and Shrubs from Rabbit Damage.....	75	4.5	14,900
L	206	Culture of Orchids.....	78	4.3	12,000
L	129	*Production and Preparation of Horseradish.	86	4.0	6,100
L	360	*Growing Table Beets (= L 127).....	100	3.9	4,500
L	220	*Storage of Vegetable Seeds.....	100	3.8	2,300
L	227	The Home Fruit Garden in the Northeast and North Central States.....	43	3.8	6,800
L	138	Production of Garlic.....	89	3.7	4,300
L	354	*Rhubarb Production (= L 126, 137).....	81	3.7	9,500
L	351	*Growing Eggplant (= L 131).....	97	3.6	5,000
L	173	Bud Graft Method of Propagating-- Grape Varieties.....	24	3.5	4,800
L	154	*Production of Parsnips.....	86	3.4	2,300
L	448	Watercress.....	72	3.1	3,044

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
L	219	The Home Fruit Garden in the Southeastern and Central Southern States.....	37	2.8	4,000
L	136	*Production of Parsley.....	86	2.6	3,000
L	305	*Okra: Culture and Use.....	86	2.5	4,500
L	135	*Production of Salsify or Vegetable Oyster	64	2.5	2,500
L	158	*Quince Growing.....	43	2.5	1,700
L	353	*Commercial Growing of Carrots (= L 125)...	37	2.5	4,600
L	116	Growing the Jerusalem Artichoke.....	51	2.2	1,800

HOME AND GARDEN BULLETINS

HG	25	*Roses for the Home.....	100	8.6	127,000
HG	7	*Growing Vegetables in Town and City.....	100	5.8	36,000
HG	9	*Suburban and Farm Vegetable Gardens.....	97	5.4	53,700
HG	51	*Better Lawns.....	78	5.3	100,000

*Title is on the Annual Inventory, or the Congressional List, or both.

Subjects suggested by State Extension Specialists in Horticulture for ARS to consider producing as new USDA Popular Publications¹

Proposed Title	Percent States Indicating Need
Landscaping Urban Homes.....	100
Landscaping Rural Homes.....	100
Onion Culture (from seed, from transplants; varieties, etc.).....	100
Pruning Evergreens, Shrubs, Vines.....	86
Plastic Greenhouses.....	86
Hydroponics.....	78
Growing Vegetable Transplants.....	74
Tomato Culture: Production, Handling, and Grading.....	74
Chemical Weed Control in Vegetables by Production Areas.....	74
Plans and Operations for Small Greenhouses.....	74
Greenhouses for Amateurs.....	74
Ornamental Trees and Shrubs.....	63
Lima Bean Culture.....	63
Nutrient-Deficiency Symptoms of Vegetable Crops.....	63
Greenhouse Construction and Management: Plans, Types (glass, plastics, beds, etc.).....	63
Soil Sterilization Methods.....	63
Transplanting and Planting Procedures for Woody Plants.....	56
Plant Propagation.....	56
Herbaceous Perennials.....	56
Cabbage Production.....	56
Trellised or Staked Tomatoes.....	56

¹ Specialists in Horticulture were asked only to indicate need for the subject matter in their State, not to rate such need. Returns were received from the 14 States Ala., Ark., Fla., Ga., Ill., Md., Mo., N.C., N.H., N.Y., Ohio, Pa., Wis., and Wyo.

Proposed Title	Percent States Indicating Need
Home Mushroom Production.....	56
Strawberry Viruses and Diseases.....	56
Heating Greenhouses.....	56
Use of Sawdust for Mulches.....	50
Care and Feeding of Shade Trees.....	50
Identification of Common Evergreens.....	50
Flowering Bulbs for the Home.....	50
Bedding Plants.....	50
Culture of Lilies.....	50
Pansies.....	50
Vegetable Harvesting Methods.....	50
Sweet Potato Culture.....	50
Watermelon Culture: Production, Handling, and Grading.....	50
Greenhouse Management.....	50
Landscape Structures (fences, walks, etc.).....	43
How to Plan Carefree Grounds.....	43
Beginning a Small Nursery.....	43
Weeds.....	43
Leaflets on Individual Ornamentals.....	43
Flower Arrangement.....	43
Peonies.....	43
Hollies.....	43
Growing Greenhouse Cucumbers.....	43
Salad Greens.....	43
Home Fruit Planting.....	43
Developing the Farm Landscape for Tomorrow.....	35
Planning the Modern Farmstead.....	35
Fundamentals of Landscape Gardening.....	35
Artificial Light for Indoor Gardening.....	35
How To Be a Wise Buyer of Nursery Stock.....	35
Simple Planting Hints.....	35
Geraniums As House Plants.....	35
African Violets.....	35
Wild Flowers: Culture and Use.....	35
Cut Flowers.....	35
Chrysanthemums.....	35
Camellias.....	35
Azaleas.....	35
Radish Production.....	35
Celery Culture.....	35
Growing Vegetables on Muck.....	35
Modern Sweet Potato Storage Houses (new insulating materials, vapor barriers)...	35
Green Pea Culture: Varieties, etc.....	35
Home Herb Garden.....	35
Period of Vegetable Reproduction by Areas.....	35
Apple Growing in Eastern States.....	35
100 Weeds Common in Northeast United States (full-color illustrations).....	35
Walks and Drives on the Farm.....	28
How to Ball and Burlap Plants.....	28
Vegetable Storage at Home.....	28
Mint Bulletin.....	28
Cherry Growing in Eastern States.....	28
Fig Growing in Southeastern States.....	28
Bunch Grapes for South.....	28
Cleaning Weed-Control Sprayers.....	28

Proposed Title	Percent States Indicating Need
Home Grounds as a Bird Sanctuary.....	21
Home Grounds as a Sanctuary for Native Plants.....	21
Garden Gadgets.....	21
Orchard Management.....	21
Peach Growing in Northeast.....	21
Nut Culture in Northern States.....	21
Meadow Nematodes in Horticultural Crops: Their Control.....	21
Safety in Home Grounds.....	14
Straw Flowers for Garden.....	14
Backyard Nut Growing for the Northeast.....	14
Sanitation in Home Grounds.....	7
Soil Conservation in Home Grounds.....	7
Production of Brussels Sprouts.....	7

CROPS RESEARCH

C. Plant Pathology¹

FARMERS' BULLETIN

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1934	Tomato Diseases.....	88	9.2	16,000
FB	1881	Potato Diseases and Their Control.....	88	8.2	7,400
FB	1987	Common Diseases of Important Shade Trees..	86	8.1	18,000
FB	1439	Diseases of Cabbage and Related Plants....	86	7.2	4,400
FB	1745	*Cotton Diseases (= FB 1187).....	30	7.1	40,000
FB	1860	Gladiolus Diseases and Insects.....	77	6.8	17,500
FB	2092	*Bacterial Wilt and Stewart's Disease (= FB 1878).....	50	6.8	4,804
FB	2023	*Tobacco Diseases and Their Control (= FB 1256).....	36	6.8	3,400
FB	2077	*Soybean Diseases (= FB 1937).....	69	6.5	8,300
FB	2048	Controlling Nematodes in the Home Garden..	56	5.3	11,529
FB	1959	Sorghum Diseases and Their Control.....	25	5.2	1,976
FB	2117	Dodder (= FB 1161).....	75	5.1	1,700
FB	1893	Control of Grape Diseases and Insects in Eastern United States (= FB 1220).....	25	5.0	5,000
FB	1060	Onion Diseases.....	50	4.6	3,300
FB	2069	Cereal Smuts and Their Control (= FB 1711).....	33	4.5	2,000
FB	1607	*Nematode Disease of Wheat and Rye (= FB 1041).....	63	4.4	4,000
FB	1059	*Sweetpotato Diseases.....	33	4.3	6,141
FB	1735	*Pea Diseases.....	38	4.2	2,247
FB	1953	Control of Cherry Leaf Spot.....	61	4.1	4,700
FB	2054	*Control of the Sugar Beet Nematode (= FB 1514).....	33	4.1	1,613
FB	2068	*Chestnut Blight and Resistant Chestnuts (= FB 1611).....	25	4.1	5,911
FB	2120	Diseases of Rice (= FB 1854).....	22	4.1	1,400
FB	1380	*Apple Scald and Its Control.....	44	3.2	5,480
FB	2053	*Diseases of Cultivated Lupines in the Southwest.....	36	2.9	660

LEAFLETS

L	416	*Barberry Eradication in Stem Rust Control.	77	7.6	27,993
L	187	*Blight of Pears, Apples, and Quinces.....	50	6.4	11,546
L	426	*Scab of Cereals (= FB 1599).....	47	6.4	4,527
L	406	*Apple Bitter Rot (= FB 938).....	66	5.1	3,693
L	280	*Preventing Black Rot Losses in Sweet- potatoes.....	58	4.0	3,800

¹ Ratings furnished by extension plant pathologists in the 36 States Ala., Alaska, Ariz., Ark., Calif., Conn., Del., Fla., Idaho, Ill., Iowa, Kans., Ky., Md., Minn., Miss., Mo., Mont., N.C., N. Dak., Nebr., N.H., N.J., N. Mex., N.Y., Ohio, Oreg., Pa., S.C., S. Dak., Tenn., Tex., Utah, Va., W. Va., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

HOME AND GARDEN BULLETIN

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
HG	61	Lawn Diseases and How to Control Them.....	100	8.5	New

Subjects suggested by State Extension Specialists in Plant Pathology for ARS to consider producing as USDA Popular Publications¹

Proposed Title	Percent States Indicating Need
Roses (revise HG 25; discuss disease and insect control in separate bulletins and revise more frequently).....	100
Corn Diseases.....	85
Common Smuts; Their Control.....	85
Spraying Equipment for Vegetable Farmers (include low-gallonage equipment).....	80
Common Root and Stem Rots.....	80
Diseases of Ornamental Plants.....	66
Flower Diseases.....	66
Aerial Application of Fungicides and Insecticides.....	66
Soil Treatment to Control Disease in Greenhouses, Hotbeds, and Field Soil (vegetable and ornamental plants).....	61
Wheat Diseases.....	57
Common Physiological Plant Diseases.....	57
Diseases of Small Fruits.....	57
Alfalfa Diseases.....	57
Apple Diseases.....	57
Peach Diseases.....	57
Common Leafspot Diseases.....	57
Strawberry Diseases.....	57
Common Powdery Mildew Diseases.....	52
Barley Diseases.....	47
Cucurbit Diseases.....	47
Clover Diseases.....	42
Forage and Pasture Grass Diseases.....	42
House Plant Diseases.....	42
Chrysanthemum Diseases.....	42
Curly Top Virus.....	42
Lettuce Diseases (field and market).....	42
Common Mildew Diseases.....	42
Kinds of Nematodes and Control.....	42
Growing Healthy Vegetable Transplants Under Glass.....	42
Iris Diseases.....	33
Oat Diseases (with colored pix).....	28
Sorghum Diseases.....	28
Diseases in Nursery Seed Beds.....	28

¹ Specialists in Plant Pathology were asked only to indicate need for the subject matter in their State, not to rate such need. Returns were received from the 21 States Ala., Alaska, Ark., Conn., Del., Fla., Idaho, Iowa, Kans., Md., Minn., Mont., Nebr., N.H., N.J., N.Y., Pa., S.C., Tex., Utah, and Va.

Proposed Title	Percent States Indicating Need
Dutch Elm Disease.....	28
Diseases of Cotton: Their Control.....	23
Cucumber Diseases.....	18
Soil-Borne Diseases of Onions.....	18
Tulip Diseases.....	18
Aster Diseases.....	18
Diseases of Tobacco: Their Control.....	18
Nature of Plant Diseases (including how and where spores are formed, and disseminated, how infection takes place, their life cycles, — possibly the start of a "4-H Plant Disease Study Manual").....	18
Chlorosis.....	18
Southern Blight.....	18
Diseases of Southern Peas.....	14
Verticillium Wilt.....	14
Peanut Diseases.....	14
Watermelon Diseases.....	14
Sweet Pea Diseases.....	14
Damage To Plants by Industrial Gases (colored pix).....	14

ENTOMOLOGY¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	2084	*European Corn Borer (= FB 1548).....	76	7.1	9,000
FB	1596	*Cattle Grubs or Heel Flies.....	73	6.8	9,500
FB	2062	*How to Spray the Aircraft Way.....	89	6.7	7,475
FB	2064	Grasshoppers (= FB 1823).....	65	6.2	15,000
FB	2040	Control of Potato Insects.....	65	6.2	3,600
FB	1651	Corn Earworm, Enemy of Field Corn in the Eastern States.....	52	6.1	4,900
FB	1624	Mexican Bean Beetle in the East (= FB 1407).....	44	6.0	10,900
FB	2004	*Controlling the Japanese Beetle (= FB 1856).....	42	5.9	21,500
FB	1798	Control of Common White Grubs (= FB 940)...	71	5.8	2,200
FB	1895	*Land Slugs and Snails (= FB 959).....	73	5.5	7,200
FB	1990	Habits and Control of Fall Armyworm (= FB 752).....	60	5.5	5,700
FB	1531	Tobacco Budworm (= FB 819).....	28	5.4	4,500
FB	1850	Armyworm and Its Control (= FB 731).....	78	5.3	6,100
FB	1863	Turnip Aphid in the Southern States.....	23	4.8	2,000
FB	1866	*Wireworms: Their Control on Irrigated Lands.....	47	4.6	4,100
FB	1861	*Insect Pests of the Peach in Eastern United States.....	55	3.9	4,900
FB	1945	Pea Aphid on Peas.....	50	3.6	4,000
FB	1971	*Pea Weevil.....	42	3.6	3,000
FB	1829	*Insects and Diseases of the Pecan and Their Control (= FB 1654, 1672).....	31	3.5	10,000
FB	1566	*Sorghum Midge.....	31	3.2	3,600
FB	2074	*American Foulbrood of Honey Bees (= FB 1713).....	63	2.9	4,500
FB	1627	Hessian Fly.....	52	2.8	3,700
FB	1668	*Red Harvester Ant.....	39	2.6	3,000
FB	2081	*Mormon Crickets (= FB 1928).....	26	2.6	9,500
FB	891	Corn Root Aphid and Methods of Control- ling It.....	39	2.3	1,500
FB	1780	*Chinch Bug.....	36	2.2	1,080
FB	2012	Citrus Rust Mite.....	18	2.2	1,600
FB	1503	Horse Bots.....	42	2.0	2,900
FB	1323	Wheat Stemworm.....	28	1.7	1,100

LEAFLETS

L	390	*The House Fly (= L 182).....	84	8.3	39,000
L	283	Fly Control on Dairy Cattle.....	89	7.7	9,500

¹ Ratings furnished by extension entomologists in entomology in the 38 States Ala., Alaska, Ark., Calif., Colo., Conn., Del., Fla., Ga., Idaho, Ill., Ind., Iowa, Kans., La., Mass., Md., Miss., N.C., N.Dak., Nebr., Nev., N.J., N. Mex., N.Y., Ohio, Oreg., S.C., S. Dak., Tenn., Tex., Utah, Va., Vt., Wash., Wis., W. Va., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
L	386	*Mosquitoes: How to Control Them on Your Property (= L 186).....	78	7.5	33,000
L	430	*Cockroaches (= L 144).....	89	7.2	27,000
L	338	*Stable Flies (= FB 1097).....	73	7.1	7,000
L	361	*Golden Nematode.....	89	7.0	5,103
L	319	Lice on Cattle.....	73	6.7	9,000
L	401	*White-Fringed Beetle.....	73	6.6	8,848
L	368	*Alfalfa Weevil.....	55	6.6	16,000
L	388	*Horn Flies on Cattle (= L 270, 291).....	76	6.5	16,000
L	192	Centipedes and Millipedes in the Home.....	71	6.5	4,100
L	411	*Corn Earworm in Sweet Corn (= L 284)	73	6.4	6,400
L	366	Poultry Lice.....	81	6.3	14,000
L	412	*Silverfish and Firebrats (= L 149).....	76	6.2	39,000
L	383	Poultry Mites.....	76	6.1	12,000
L	416	*Barberry Eradication in Stem Rust Control.	47	5.9	27,500
L	308	Lice and Sheep Ticks on Sheep.....	68	5.8	5,400
L	392	*Fleas: How to Control Them (= L 302).....	50	5.3	31,400
L	387	*Wood Ticks: How to Control Them In Infested Areas.....	71	5.0	19,500
L	367	*The Tomato Fruit Worm: How to Control It..	68	4.9	11,600
L	422	*Spotted Alfalfa Aphid.....	26	4.9	17,500
L	389	Cantaloup Insects in the Southwest.....	26	4.9	4,700
L	362	*Sugar Cane Beetle on Corn in the Southern States (= FB 875).....	31	4.7	3,000
L	316	Hog Lice.....	65	4.6	6,300
L	399	Hornworms on Tobacco: How to Control Them (= L 336).....	28	4.6	9,400
L	290	Protection of Turf From Damage By Japanese Beetle Grubs.....	44	4.5	3,900
L	365	*Wasps.....	73	4.4	15,000
L	274	*Apple Tree Borers (= FB 675, 763, 1065)...	63	4.3	6,600
L	364	*Chinch Bugs.....	39	4.2	6,000
L	484	*Clover Leaf Weevil (= FB 1484).....	50	4.1	3,590
L	417	*Tobacco Cutworms.....	28	4.1	7,251
L	391	*Southern Corn Rootworm: How to Control It (= FB 950).....	44	4.0	7,000
L	341	*Meadow Spittlebug: How to Control It.....	44	4.0	6,200
L	370	*Seed Corn Maggot On Beans.....	55	3.8	10,000
L	229	Potato Leafhopper: A Pest of Alfalfa.....	52	3.7	1,400
L	363	*Southern Corn Stalk Borer (= FB 1025).....	34	3.6	3,200
L	304	*Garden Webworm in Alfalfa (= FB 944).....	55	3.5	1,900
L	237	*Mole Crickets.....	31	3.5	3,300
L	405	*Aphids on Tobacco.....	34	3.4	4,595
L	444	*Narcissus Bulbfly.....	39	3.3	14,000
L	350	*Imported Fire Ant.....	28	3.3	10,000
L	337	*Bed Bugs (= L 146).....	81	3.2	6,400
L	431	*Sweetpotato Weevil (= L 121).....	31	3.1	2,400
L	325	*Alfalfa Caterpillar (= FB 1094).....	44	3.0	1,700
L	161	*Eastern Tent Caterpillar (= FB 662).....	35	3.0	2,600
L	382	*Fowl Tick (= FB 1070).....	50	2.9	8,000
L	372	*Onion Thrips.....	57	2.7	7,800
L	309	*Preventing Greenbug Outbreaks (= FB 1217)...	42	2.5	1,100
L	379	*Clover Seed Midge (= FB 971).....	34	2.2	6,100

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
L	183	*Cankerworms.....	31	2.2	3,199
L	189	Psocids: Annoying House Pests.....	57	2.1	6,000
L	348	*Velvetbean Caterpillar.....	31	2.0	3,000
L	226	Pepper Weevil.....	31	1.7	3,000
L	380	*Wheat Jointworm (= FB 1006).....	39	1.5	4,900
L	384	*Chestnut Weevil.....	24	1.4	2,800
L	340	*Periodical Cicada.....	44	1.1	2,800

HOME AND GARDEN BULLETINS

HG	46	*Insects and Diseases of Vegetables in the Home Garden.....	71	8.6	150,000
HG	28	*Ants in the Home and Garden.....	73	7.6	53,300
HG	53	*Lawn Insects.....	76	7.3	51,320
HG	29	*Cutworms in the Garden.....	68	6.1	22,000
HG	44	Cabbage Insects: How to Control Them in the Home Garden.....	55	4.9	12,900

IN PROCESS

Title	Percent States Indicating Need	State Extension Specialists Rating
Insects in Home Flower Gardens.....	94	8.5
Control of Insects and Diseases in the Home Orchard.....	71	7.4
Cutworms Attacking Cereal and Forage Crops.....	76	7.2
Alfalfa Insects: Their Control.....	63	7.2
Pea Aphid on Alfalfa.....	60	7.0
Lesser Corn Stalk Borer.....	34	6.5
Control of Insects on Ornamentals in the Greenhouse.....	71	6.3
Bollworm.....	34	6.1
Strawberry Insects: Their Control.....	71	6.0
European Corn Borer in Sweet Corn.....	47	5.6
Sugar Beet Insects.....	36	5.6
Soy Bean Insects and Their Control.....	50	5.5
Webworms Attacking Cereal and Forage Crops.....	52	5.4
How to Deal With Bees in Buildings.....	71	5.3
Aphids on Leafy Vegetables.....	60	5.2
Mites Attacking Small Grains.....	50	5.0
Boll Weevil.....	28	4.6
Cabbage Insects in the Home Garden.....	50	4.3
Ticks on Livestock.....	57	4.2
Pickleworms.....	36	4.2
Corn Flea Beetle: How to Control It.....	52	4.1
Billbugs: Their Control.....	42	4.1
Cotton Aphid.....	31	4.1
Sandflies and Punkies.....	47	3.8
Cotton Fleahopper.....	26	3.6
European Earwig.....	57	2.9
Mushroom Insects.....	39	2.4
Cotton Leafworm.....	28	2.1

*Title is on the Annual Inventory, or the Congressional List, or both.

Subjects suggested by State Extension Specialists in Entomology for ARS to consider producing as new USDA Popular Publications¹

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Insects Affecting Shrubs and Ornamentals.....	97	9.2
Mites on Cotton: How to Control Them.....	18	9.0
Insect Pests in the Home: How to Control Them.....	90	8.8
Clover Mites in the Home.....	78	8.5
Insects Affecting Fruit and Shade Trees.....	93	8.4
Termites: Their Control.....	74	8.1
Insects Affecting Livestock: How to Control Them.....	71	8.1
Insects Affecting House Plants.....	78	8.0
Insects Affecting Roses.....	74	7.6
Beekkeeping for Beginners.....	71	7.6
Box Elder Bugs in Homes.....	56	7.6
Waiting Periods Between Application and Harvest for Commonly Used Insecticides.....	41	7.5
How to Select Sprayers and Dusters.....	68	7.4
Community Mosquito Control.....	68	7.2
Pesticides: Their Use.....	82	7.1
Safety with Insecticides.....	68	7.0
Aerial Application of Insecticides and Fungicides.....	56	6.8
Insect and Mite Control in Greenhouses.....	53	6.8
Insect Surveys: How to Make Them.....	50	6.6
Insects Affecting Small Fruits: Their Control.....	53	6.4
Entomology for Grade and High School Students.....	64	6.3
Beneficial Insects.....	71	6.2
Manual of Weights and Measures for Entomologists.....	68	5.5
Bees as Crop Pollinators.....	64	5.5
Carpenter Ants: Their Control.....	64	5.0
Black Widow Spider Control.....	53	5.0
Bagworms: Their Control.....	41	5.0
Sap Beetles in Sweet Corn: Their Control.....	28	4.7
Tomato Fruit Worms and Hornworms: Their Control.....	31	4.6
McDaniel Mites on Fruit Trees: Their Control.....	18	4.6
Stored Grain Insects: Their Control.....	68	4.3
Honey Bees: Management and Care.....	68	4.3
Insects Affecting Grass Grown for Seed: Their Control.....	37	4.2
Codling Moth Bait Traps for Timing Cover Sprays.....	28	4.2
Cicada Killers.....	18	3.6

¹ Ratings furnished by extension entomologists in the 27 States Ala., Alaska, Ark., Del., Fla., Ga., Idaho, Iowa, La., Miss., Nebr., N.C., N. Dak., N.J., N. Mex., N.Y., Oreg., S.C., S. Dak., Tenn., Tex., Utah, Va., Vt., Wash., W. Va., and Wyo.

FARM ECONOMICS¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	2016	Insurance for Farmers.....	100	7.0	8,900
FB	1969	Better Farm Leases.....	100	6.8	4,800
FB	1966	Part-Time Farming.....	100	6.0	11,700
FB	2026	Father-Son Farm Operating Agreements.....	83	5.9	9,900
FB	1965	Planning the Farm for Profit and Stability..	100	5.5	12,000
FB	1962	Useful Records for Family Farms.....	77	5.0	11,400
FB	1961	Getting Started in Farming.....	96	4.7	15,100
FB	1643	Fire Safeguards for the Farm.....	100	4.5	2,040
FB	1614	Business Records for Poultry Keepers.....	83	3.2	4,600

LEAFLETS

L	427	Planning Farm Machinery Replacements.....	100	6.4	20,700
L	432	Where and How to get a Farm.....	100	3.4	8,700
L	375	Fire Departments for Rural Communities.....	100	2.7	6,400

¹ Ratings furnished by extension economists in the 30 States Alaska, Ark., Calif., Colo., Hawaii, Ill., Ind., Ia., Maine, Mass., Md., Mo., Mont., N. Dak., Nebr., Nev., N.H., N.J., N. Mex., N.Y., Ohio, Pa., R.I., S.C., S. Dak., Tex., Utah, Vt., Wash., and W. Va.

Subjects suggested by State Extension Specialists in Farm Economics for ARS to consider producing as new USDA Popular Publications¹

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Obtaining Adequate Resources for Adequate Farm Volume (partnerships, renting, hi-capital turn-over enterprises contract sales, normal credit, etc.).....	86	7.1
Basic Economic Principles Useful in Farm-Management Decisions.....	95	6.9
Livestock Share Lease.....	56	6.8
The Farm Corporation.....	82	6.4
Optimum Livestock Enterprises (as determined by machines, equipment, and labor efficiency).....	86	6.3
Estate Planning in Relation to the Family Farm.....	91	6.2
Insurance Facts for Farmers.....	65	6.1
Rural Zoning.....	78	5.8
Your Livestock Share Lease.....	26	5.8
Life Insurance Guides for Farm Families.....	73	5.6
Vertical Integration: Supplier, Producer, Processor, and Handler....	100	5.5
Your Farm Rent Determination Problem.....	73	5.4

¹ Ratings furnished by extension economists in the 23 States Ala., Alaska, Ariz., Calif., Conn., Iowa, Kans., Mass., Minn., Miss., N.C., N. Dak., N.H., N. Mex., Oreg., Pa., R.I., S.C., S. Dak., Utah, Vt., Wash., and Wyo.

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Cash Farm Lease.....	60	4.9
Your Cash Farm Lease.....	73	4.7
Your Farm Lease Contract.....	78	4.6
Your Crop-Share-Cash Farm Lease.....	60	4.5
Your Farm Lease Checklist.....	73	4.4
What Young Farm Families Should Know About Credit.....	69	4.4
Renting Versus Ownership of Land.....	17	4.0
Crop Share Farm Lease.....	52	3.9
Leases that Make for Successful Farming.....	78	3.8
Bulk Handling of Milk: Will it Pay on Your Farm?.....	39	3.6
Your Farm-Renting Problem.....	60	3.1

HOME ECONOMICS¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	1968	*Pattern Alteration.....	40	9.2	64,615
FB	1944	*Sewing Machines--Cleaning and Adjusting...	44	8.2	60,000
FB	1964	*Fitting Dresses (= FB 1530).....	40	8.1	64,830
FB	1925	*ABC's of Mending.....	40	7.2	46,912
FB	1838	*Electric Light for the Farmstead.....	53	5.8	15,189
FB	1894	*Coat Making at Home.....	40	5.3	33,469
FB	1960	*Carpet and Rug Repair.....	38	4.5	46,912

LEAFLETS

L	418	*Beltsville Energy-Saving Kitchen Design No. 1, With Workroom.....	65	8.0	60,000
L	424	*Food for Fitness.....	89	7.8	584,755
L	268	*Eat A Good Breakfast to Start a Good Day..	73	6.9	61,000
L	288	*National Food Guide.....	61	6.6	228,705
L	279	*Chicken in the Freezer.....	67	6.4	53,605
L	321	*What To Do When Your Home Freezer Stops...	69	6.3	32,750
L	269	*Pickle and Relish Recipes.....	69	6.1	61,000
L	322	*Preventing and Removing Mildew--Home Methods.....	63	5.5	39,324
L	278	*Tomatoes on Your Table.....	67	4.7	32,036
L	312	*Apples in Appealing Ways.....	71	4.6	42,730
L	359	Kieffer Pears for Home Use.....	32	4.6	5,405
L	293	*Sweetpotato Recipes.....	61	3.8	23,614
L	326	*Dry Beans, Peas, Lentile, Modern Cookery..	67	3.7	28,100
L	251	*Child's Self-Help Overall.....	32	3.7	18,700
L	320	*Two-Temperature Walk-In Refrigerator for the Farm.....	38	2.6	12,012

HOME AND GARDEN BULLETINS

HG	49	*Detergents for Home Laundering.....	37	8.6	109,408
HG	57	*Getting Enough Milk (= HG 47).....	75	8.0	81,707
HG	10	*Home Freezing of Fruits and Vegetables....	73	8.0	164,853
HG	11	*Fitting Coats and Suits.....	42	8.0	21,922
HG	40	*Freezing Combination Main Dishes.....	69	7.9	124,744
HG	32	*Washing Machines--Selection and Use.....	65	7.8	48,333
HG	1	*Family Fare: Food Management and Recipes..	73	7.7	424,140
HG	43	*Money-Saving Main Dishes (= L 289).....	71	7.5	130,477
HG	12	*Your Farmhouse--Planning the Kitchen and Workroom (= FB 1513).....	63	7.5	30,938
HG	59	*Simplified Clothing Construction.....	51	7.3	New
HG	54	Men's Suits: How to Judge Quality.....	44	7.3	26,000
HG	14	*A Step-Saving U Kitchen (= MP 646).....	40	7.2	59,881
HG	56	*How to Make Jellies, Jams, and Preserves at Home (= FB 1800).....	73	7.2	195,345
HG	48	*Home Freezers--Their Selection and Care (= MP 687).....	97	7.1	54,623

¹ Ratings furnished by extension home economists in 49 States.

*Title is on the Annual Inventory, or the Congressional List, or both.

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
HG	31	*Buying Women's Coats and Suits.....	63	6.9	31,050
HG	27	*Meat for Thrifty Meals (= FB 1908).....	55	6.9	166,389
HG	19	*Your Farmhouse--Planning the Bathroom (= MP 638).....	59	6.8	26,098
HG	17	*Food Guide for Older Folks.....	75	6.7	58,073
HG	8	*Home Canning of Fruits and Vegetables....	73	6.7	104,870
HG	5	*Food for the Family With Young Children...	73	6.5	43,400
HG	20	*How to Tailor a Woman's Suit (= MP 591)...	40	6.2	51,875
HG	13	*Food for Families with School Children....	73	6.1	92,978
HG	41	*Green Vegetables for Good Eating (= 272)...	69	6.0	67,700
HG	18	*Easy-to-Build Kitchen Cabinets for the Remodeled Farmhouse (= MP 680).....	59	5.5	40,947
HG	55	*Potatoes in Popular Ways (= L 295).....	73	5.3	118,134
HG	45	*Turkey on the Table the Year Round.....	71	5.3	25,000
HG	39	*Mending Men's Suits (= MP 482).....	40	5.3	6,480
HG	30	*Pressure Cannery--Use and Care.....	42	4.6	41,400
HG	6	*Home Canning of Meat.....	59	3.7	43,765
HG	33	*Root Vegetables in Everyday Meals (= L 294).....	67	3.4	32,289
HG	37	*Honey--Some Ways to Use It (= L 113).....	67	2.5	33,400
HG	36	*Peanut and Peanut Butter Recipes.....	59	2.3	32,400
HG	35	*Ways to Cook Rabbit.....	57	1.3	26,028
HG	50	*Cooking with Dried Egg.....	63	.9	26,367

*Title is on the Annual Inventory, or the Congressional List, or both.

**Subjects suggested by State Extension Specialists in Home Economics for ARS to
consider producing as new USDA Popular Publications**

FAMILY LIVING

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Planning for Retirement.....	61	8.3
Mental Health for the Family.....	57	8.2
Human Values in Farm Family Living (conservation of human resources)	57	8.2

FAMILY ECONOMICS

Business Transactions of the Homemaker.....	79	8.6
Management of the Total Family Resources.....	79	8.2
Wise Use of Family Credit.....	77	8.2
Family Finance.....	69	8.0
Guide to Family Spending.....	83	7.8
Farm and Home Financial Planning.....	77	7.8
Time and Money Management for Teenagers.....	77	7.6
Money Management.....	71	7.5
Home Management.....	69	6.9

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Good Taste at Low Cost.....	67	6.8
Planning the Family Clothing Budget.....	83	6.7
Buymanship.....	51	5.9

CONSUMER EDUCATION

<u>Clothing, General</u>		
Care of Garments of New Fabrics and Finishes.....	65	8.4
Planning the Family Wardrobe.....	61	8.4
Selecting Garments of New Fabrics and Finishes.....	77	8.3
Decision Making in Clothing the Family.....	73	7.6
Your Clothes and You (incl. psychological effects of good grooming).....	67	7.6
Choosing Correct Dress.....	65	6.0
<u>Clothing, Men's and Boy's</u>		
Selection and Care of Clothing for Men and Boys.....	73	8.3
<u>Clothing, Women's</u>		
Selection and Care of Sweaters.....	65	8.2
Buying Foundation Garments.....	51	6.7
Buying Dresses.....	63	5.7
Buying Clothing Accessories.....	77	5.2
Buying Knitted Wear.....	55	5.1
Buying Lingerie.....	63	4.7
Buying Skirts and Slips.....	48	4.4
Buying Hosiery.....	44	4.0
Buying Blouses.....	44	4.0
<u>Clothing, Children's</u>		
Buying Children's Clothing.....	69	7.7
<u>Clothing, Shoes</u>		
Buying Shoes.....	59	6.4
Foot Health Through Selection of Correct Shoes.....	59	6.4
Buying Children's Shoes.....	57	6.2
Buying Women's Shoes.....	57	5.3
<u>House Furnishings</u>		
Selection, Use, and Care of Curtains and Draperies.....	63	7.6
Buying Bedding and Linens.....	71	5.4
Tableware (dinnerware, glassware, flatware).....	71	4.5
Serving Equipment (selection, arrangement).....	51	4.5
Buying Towels.....	67	4.0
<u>Furniture</u>		
Buying Furniture.....	73	8.5
Buying Upholstered Furniture.....	75	8.2
Selection of Furniture.....	67	8.1
Buying Springs and Mattresses.....	75	7.5
Selection and Care of Metal Furniture.....	73	5.7
<u>Kitchen Equipment: Selection, Use, and Care</u>		
Buying new Electrical Kitchen Equipment (comparative costs of operating a range, plus an electrical frying pan, a griddle, etc.; establishing comparison of costs of operating).....	73	8.4

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Food Waste Disposers.....	79	7.8
Small Electrical Appliances.....	69	7.5
Wall Ovens.....	79	7.3
Surface Cooking Units.....	79	7.2
Kitchen Ranges.....	77	7.1
Refrigerators.....	73	6.8
Dishwashers.....	71	6.8
Small Kitchen Equipment.....	77	6.4
Pots and Pans.....	81	5.7
Electronic Equipment for the Kitchen.....	75	5.5
<u>Laundry Equipment</u>		
Washer-Dryer Combinations.....	75	7.7
Dryers.....	73	7.1
<u>Household Equipment: Selection, Care, etc.</u>		
Household Equipment.....	67	7.8
Floor Coverings (including pile and resiliency, woven, hard-surface).....	73	8.4
Pile Floor Coverings.....	71	7.7
Hard Floor Coverings.....	75	7.7
Carpets and Rugs.....	75	7.7
Water Heaters, Water Softeners, Mineral Filters.....	73	6.6
Interior Paints.....	77	6.4
Vacuum Cleaners.....	75	6.1
Home Air Conditioners.....	73	5.7

NUTRITION, FOODS, FOOD ECONOMICS

<u>General: Economics, Menu Planning, Storage, etc.</u>		
Nutrition Handbook.....	61	9.4
Basic Nutrition for Lay Readers.....	75	9.3
Meal Planning in Relation to Time Saving, Energy, and Food Costs.....	85	9.1
Nutritional Materials for Agent Background Education.....	73	8.3
Wise Spending of the Food Dollar (no recipes).....	73	8.1
Nutrition and Food Materials for 4-H Club Work.....	61	7.7
Food Facts and Fancies (aluminum, open tin cans, etc.).....	63	7.6
Nutrition Chart: Effects of Good and Bad Nutrition.....	77	7.5
Vitamin Research Results up to Date.....	73	7.5
Composition of Foods, (under variety, and including new food items on present market).....	67	7.4
Eating and Meal Psychology.....	75	7.3
Time-Saving Menus and Recipes.....	73	7.2
Time and Energy Saving Meal Preparation.....	73	7.1
Food Management Up-to-Date.....	73	7.1
Meal Management.....	69	6.8
Food Budgets for Income Levels, Ages, Sizes of Families.....	75	6.5
Menu Planning.....	67	6.0
Food Costs and Marketing Suggestions.....	69	5.9
Protein Foods: Basic Information (composition in pounds service, table of relative costs, etc.).....	73	5.8
Food Supplements.....	63	5.7

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
How to Store Foods.....	55	5.7
Fundamentals of Basic Cooking.....	63	5.6
Canned Food: Sizes of Cans, Contents, Grades, Selection.....	57	5.6
<u>Dieting and Special Diet Problems</u>		
Calorie Chart, Weight-Height Tables, NRC Allowances.....	73	7.6
Dieting and Weight Control.....	65	7.6
Food and Allergies.....	63	5.9
Allergies and Special Recipes.....	59	5.3
Prenatal Nutrition.....	71	4.7
<u>Frozen Foods</u>		
Meals for the Freezer.....	71	7.0
Frozen Prepared Meals (other than main dishes).....	71	6.5
Packaging Materials for Freezing Foods (evaluation).....	73	5.6
Chilling, Packaging, Placing in Freezer, Management of Freezer (specific details).....	61	5.5
Freezing Meats.....	69	5.3
Freezing Poultry.....	67	5.3
Freezing Pork for Storage.....	65	4.6
Freezing Fish and Other Seafoods.....	65	4.4
Freezing Game.....	67	4.0
Freezing Eggs.....	65	3.6
<u>Menus: Menu Planning</u>		
Meals for the New and Young Homemaker.....	73	8.0
Food for the Teenager.....	73	7.8
Meals and Menu Planning for Older Folk (senior citizen-golden years).....	65	6.8
Cooking for Two (marketing, menus, etc.).....	69	6.3
Quick and Easy Meals (oven, range top freezer, etc.).....	67	5.9
Infant and Child Feeding.....	77	5.8
Snack Foods.....	57	5.7
Cooking for One (marketing, menus, etc.).....	63	5.4
Outdoor Cookery.....	57	5.4
Simple Meal Combinations.....	61	5.1
Care and Cooking of Wild Game.....	63	4.5
Home-Made Mixes.....	67	4.4
Food in Hot Weather (picnics, banquets, community suppers).....	61	3.8
Electronic Oven Cookery.....	61	3.8
Meat Planning Suggestions.....	67	3.5
Frozen Foods: Selection for Quality.....	59	3.5
Sandwiches.....	53	3.5
Cooking Poultry.....	59	3.4
Home Baking (to replace FB 1775).....	59	3.4
Breads.....	57	3.3
Fats and Oils: Cooking and Table Use.....	48	3.2
Dehydrating Fruits and Vegetables at Home.....	44	3.2
Salads and Salad Dressings.....	55	3.1
Oven Meals.....	57	2.9
Preparation of Baked Products.....	51	2.9
Uses for Peaches.....	46	2.7
Curing Pork for Home Use.....	53	2.6
Pies and Pasteries.....	40	2.5
Cakes and Cookies.....	51	2.4
Peaches in Appealing Ways.....	42	2.3

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Ice Creams, Ices, and Sherbets (how to make them).....	48	2.0
Making Butter (to replace FB 1949).....	38	1.4

HOUSEHOLD ECONOMICS

<u>General</u>		
Over-All Guide for Considering House Planning.....	73	8.6
Color in the Home.....	61	8.3
Developing Color Plans in Home Furnishings.....	71	8.0
Color and Design in Interior Decorating.....	69	8.0
How to Select a House.....	73	7.7
Cut-Outs for Farm home Planning.....	61	6.0
<u>Heating, Insulating, Air Conditioning</u>		
Insulating a Home.....	61	7.2
Heating and Cooling Homes.....	71	7.1
Electrical Space Heating.....	61	6.7
Heating: Layouts, Distribution, Radiant, etc.....	59	6.3
<u>Electricity in Homes</u>		
Home Lighting Plans.....	75	9.1
Home Wiring.....	69	7.8
Electrical Needs for Today's Home.....	77	7.5
Certified Electrical Lamps.....	61	6.1
<u>Home Repair</u>		
Simple Repairs of Home and Housing Equipment.....	73	6.7
Home Repairs.....	67	6.1
<u>Walls, Floors</u>		
Wall Coverings (finishes, paints, paneling, plastics, papers, etc.).....	77	8.8
Finishes for Floors.....	83	7.5
Exterior Wall Materials.....	57	5.2
<u>Business Centers, Study Centers, Children's Rooms, Bedrooms,</u>		
<u>Sewing Centers</u>		
Sewing Centers for the Home.....	81	7.2
Business Centers (based on W. Va. research).....	67	6.8
Kitchen-Family Rooms.....	69	6.6
Family Rooms.....	67	6.4
Bedrooms: Space Use, Sizes, Shapes.....	77	6.2
The Place for Children in the Home (children's rooms).....	67	6.0
Recreation and Family Rooms.....	67	6.0
Children's Study Centers.....	67	5.3
The Home Business Center.....	67	5.0
<u>Storage in the Home</u>		
General Home Storage.....	77	8.2
Kitchen Storage.....	75	8.1
Simple Movable Closets.....	69	7.7
Closet Storage and Closet Equipment.....	75	7.5
Making Storage Devices for Small Equipment.....	77	6.6

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
Storage of Children's Things.....	75	6.5
Storing Off-Season Clothing.....	77	5.7
Making Better Use of Basements and Attics.....	63	5.7
Storing Outside Wraps, Boots, etc.....	67	5.0

HOUSEKEEPING

<u>Time and Labor Economics in the Home</u>		
Time-Saving (how to dovetail housekeeping jobs; methods and procedures).....	69	9.4
The Basic Principles of Work Simplifications in the Home and How To Apply Them.....	77	8.8
Housekeeping Methods (to assist in household organization directed especially to young homemakers).....	77	8.7
<u>Laundry and House Cleaning</u>		
House Cleaning Equipment and Methods.....	73	7.8
Laundry Products (other than detergents).....	73	6.7
Laundering: Equipment, Methods, and Everyday Laundry Problems..	69	6.7
Bleaches for the Home Laundry.....	73	6.2
<u>Stain Removal</u>		
Stain Removal from Fabrics and Finishes (all fabrics).....	91	9.5
Stain Removal in the Home Laundry.....	75	8.9
Spot and Stain Removal From Upholstered Furniture and Floor Coverings.....	85	8.8
Removing Stains From Woods.....	83	7.1

CLOTHING MATERIALS

<u>Fabrics, Finishes</u>		
Fabrics for Home Furnishings.....	77	8.4
Selection and Care of Fabrics (all fibers).....	75	8.2
Fabric Finishes for Home Furnishings: Relative Merits.....	75	8.2
Fabric Finishes.....	73	7.9
New Fabrics and New Finishes: Care.....	69	7.9
What to Expect from Fabric Finishes.....	71	7.8
New Fabrics: Buying, Sewing, Care.....	63	7.8
Effect of Fabric Finishes on Performance.....	71	7.7
Fabrics for Curtains, Slip Covers, and Upholstery.....	65	7.7
Facts about Fibers That Homemakers Need to Know.....	69	7.5
Synthetic Fibers: What to Expect From Them.....	71	7.2
Facts About Man-Made Fibers.....	69	7.2
Clothing Fabrics.....	40	6.3

SEWING

<u>General</u>		
Sewing Problems with Synthetic Fibers.....	51	7.6
<u>Slip Covers</u>		
Making Slip Covers.....	42	8.3
How to Make Slip Covers.....	53	7.2

Proposed Title	Percent States Indicating Need	State Extension Specialists Rating
<u>Curtains, Draperies</u>		
Making Curtains and Draperies.....	57	8.3
Curtain and Drapery Construction.....	48	7.3
<u>Sewing, Tailoring, Fitting</u>		
Simplified Fitting.....	57	8.1
Sewing for Children (incl. make-overs).....	46	7.6
Quick Methods for Tailoring.....	53	7.4
Pattern and Fabric Coordination.....	48	7.4
Ready to Wear Alteration.....	57	7.1
Children's Clothes: Altering, Remaking, Mending.....	48	7.0
Sewing Methods Applicable to Dressmaker-Type Garments.....	44	6.8
Fitting the Muslin Shell.....	42	6.4
Making a Cotton Dress.....	48	6.0
Making Casual Shirts and Sport Jackets for Men and Boys.....	48	5.9
Berry Method of Fitting and Altering.....	40	5.3

Many agricultural engineers have an interest in soil and water conservation as it concerns engineering. ARS soil and water conservation lists of publications and publications plans were sent by the Federal extension subject matter specialists to State extension soil and water conservation and irrigation specialists and to State extension agricultural engineers as well. The returns from the two groups were kept separate so that publication needs of the two groups could be studied:

SOIL AND WATER CONSERVATION¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating	Average Annual Movement From USDA Stocks
FB	2032	Liming Soils for Better Farming (= FB 921, 1845).....	77	7.3	15,500
FB	2003	Legume Inoculation (= FB 1959, 1784).....	83	7.0	9,500
FB	2118	*Soil Conserving Tillage Systems for Corn..	90	6.5	New
FB	1797	*Implements and Methods of Tillage to Control Soil Blowing in the Northern Great Plains.....	22	6.5	3,300
FB	2007	Mixing Fertilizers on the Farm (= L 70)...	58	4.0	9,200

IN PROCESS

Title	Percent States Indicating Need	State Extension Specialists Rating
Where and When to Irrigate.....	68	7.5
Sprinkler Irrigation	95	7.1
Irrigation Requirements for Corn.....	95	6.6
How to Irrigate.....	95	6.5
Soil and Water Management for Mountain Meadows.....	55	6.5
Water and Erosion Control Under Irrigation.....	93	6.4
How to Have Irrigation Mains and Laterals.....	62	6.4
Soil and Water Management for High Yields of Sugar Beets.....	37	6.0
Development of Drainage Systems for Irrigated Lands.....	68	5.9
Toxicity Symptoms in Plants.....	59	5.9
Nitrogen Requirements of Irrigated Corn.....	59	5.7
Drainage of Saline Soils.....	33	5.6
Irrigation Well Screens and Packs.....	77	5.5
Leaching to Remove Soil Salts.....	37	5.5
How to Irrigate Tobacco.....	37	5.5
Crop Tillage.....	91	5.4
Salt Tolerance of Field Crops.....	53	5.4
Tolerance of Crops to Exchangeable Sodium.....	37	5.3

¹ Ratings furnished by extension soil, soil and water conservation, and irrigation specialists in the following 31 States and 1 Commonwealth: Ala., Calif., Colo., Conn., Ga., Idaho, Ill., Ind., Iowa, Kans., Ky., La., Mass., Md., Mich., Mo., N.C., N. Dak., Nebr., Nev., N.H., N.J., N. Mex., N.Y., Ohio, Okla., P.R., S. Dak., Va., Wash., Wis., and W. Va.

*Title is on the Annual Inventory, or the Congressional List, or both.

Title	Percent States Indicating Need	State Extension Specialists Rating
Irrigating Salty Soils.....	31	5.3
How to Manage Sandy Soils in the Central United States.....	42	5.2
Land Forming.....	95	5.1
Deep Tillage.....	100	5.0
Quality of Irrigation Water.....	95	5.0
The Sodium Story: Exchangeable Sodium and Its Effect on Soils.....	51	5.0
Use of Chemical Amendments for Replacement of Exchangeable Sodium..	44	4.9
Water Availability to Plants in Saline Soils.....	35	4.9
Soil Salinity: Origins and Measurement.....	35	4.9
Stalk Breakage in Corn Under Irrigation.....	71	4.8
Planting Row Crops on Saline Soils.....	37	4.8
Characterizing Saline and Sodium Soil Problems.....	28	4.8
Salt Tolerance of Vegetable Crops.....	55	4.7
Level Border Irrigation.....	53	4.7
Wind Erosion Control on Irrigated Lands.....	51	4.7
Deficiencies and Corrective Measures for Zinc on Western Irrigated Lands.....	19	4.7
Handling Crop Residues.....	93	4.6
How to Irrigate Field Beans.....	46	4.5
Surface Mulches for Conservation.....	93	4.4
Salt Tolerance of Forage Crops.....	59	4.4
Crop Production on Newly Irrigated Missouri River Basin Lands.....	15	4.3
Boron Toxicity in Plants.....	48	4.2
Interseeding Corn.....	51	4.1
Salt Tolerance of Fruit Crops.....	39	4.1
Erosion Control Practices for the Fayette Soil Area.....	19	3.8
Manure Mulches.....	75	3.5
Water Management Practices for Mosquito Abatement.....	64	3.5
Drought Incidence in Virginia, North and South Carolina, and Georgia	22	3.5
Control of Water and Erosion Losses on Frozen Soils.....	62	2.7

SOIL AND WATER CONSERVATION RELATIVE TO ENGINEERING¹

FARMERS' BULLETINS

Series	No.	Title	Percent States Indicating Need	State Extension Specialists Rating
FB	2032	Liming Soils for Better Farming (= FB 921, 1845).....	73	5.1
FB	2003	Legume Inoculation (= FB 1959, 1784).....	62	5.0
FB	1797	*Implements and Methods of Tillage to Control Soil Blowing on the Northern Great Plains.....	26	4.6
FB	2118	*Soil Conserving Tillage Systems for Corn.....	97	4.3
FB	2007	Mixing Fertilizers on the Farm (= L 70).....	66	3.5

IN PROCESS

Title	Percent States Indicating Need	State Extension Specialists Rating
Where and When to Irrigate.....	90	7.4
Toxicity Symptoms in Plants.....	96	6.9
Deep Tillage.....	87	6.8
Crop Tillage.....	83	6.8
How to Irrigate Tobacco.....	41	6.8
Water Availability to Plants in Saline Soils.....	38	6.7
Drought Incidence in Virginia, North and South Carolina, and Georgia.....	16	6.6
Nitrogen Requirements of Irrigated Corn.....	90	6.5
Leaching to Remove Soil Salts.....	61	6.4
Irrigation Requirements of Corn.....	93	6.3
Characterizing Saline and Sodium Soil Problems.....	41	6.3
Handling Crop Residues.....	90	6.2
Soil Tolerance of Forage Crops.....	83	6.2
Sprinkler Irrigation.....	61	6.2
Soil and Water Management for High Yields of Sugar Beets.....	32	6.2
Quality of Irrigation Water.....	80	6.1
How to Manage Sandy Soils in the Central United States.....	61	6.0
Irrigating Salty Soils.....	41	6.0
Drainage of Saline Soils.....	35	6.0
Salt Tolerance of Field Crops.....	70	5.9
Surface Mulches for Conservation.....	77	5.8
Crop Production on Newly Irrigated Missouri River Basin Lands.....	25	5.8
The Sodium Story: Exchangeable Sodium and Its Effect on Soils.....	58	5.7
Manure Mulches.....	80	5.6

¹ Ratings furnished by extension agricultural engineers in the following 44 States and 1 Commonwealth: Ala., Alaska, Ariz., Ark., Calif., Colo., Conn., Del., Ga., Idaho, Ill., Ind., Iowa, Kans., Ky., La., Maine, Mass., Md., Mich., Minn., Mo., Mont., N. Dak., Nebr., N.H., N. Mex., N.Y., Ohio, Okla., Oreg., Pa., P.R., R.I., S.C., S. Dak., Tenn., Tex., Utah, Va., Vt., Wash., Wis., W. Va., and Wyo.

*Title is on the Annual Inventory, or the Congressional List, or both.

Title	Percent States Indicating Need	State Extension Specialists Rating
Irrigation Well Screens and Facts.....	51	5.6
Soil Salinity: Origins and Measurement.....	45	5.6
How to Line Irrigation Mains and Laterals.....	45	5.6
Planting Row Crops on Saline Lands.....	41	5.6
Tolerance of Crops to Exchangeable Sodium.....	54	5.5
Control of Water and Erosion Losses on Frozen Soils.....	51	5.5
Use of Chemical Amendments for Replacement of Exchangeable Sodium..	51	5.3
Minimum Tillage for Irrigated Lands.....	70	5.0
Salt Tolerance of Vegetable Crops.....	48	5.0
Wind Erosion Control on Irrigated Lands.....	41	5.0
Stalk Breakage in Corn Under Irrigation.....	83	4.8
Water and Erosion Control Under Irrigation.....	83	4.6
Development of Drainage Systems for Irrigated Lands.....	61	4.5
Land Forming.....	54	4.5
Soil and Water Management for Mountain Meadows.....	35	4.5
Level Border Irrigation.....	45	4.4
How to Irrigate Field Beans.....	32	4.4
Salt Tolerance of Fruit Crops.....	41	4.3
Deficiencies and Corrective Measures for Zinc on Western Irrigated Lands.....	35	4.3
Boron Toxicity Symptoms in Plants.....	77	4.0
Interseeding Corn.....	93	3.9
How to Irrigate.....	80	3.6
Water Management Practices for Mosquito Abatement.....	38	1.2

